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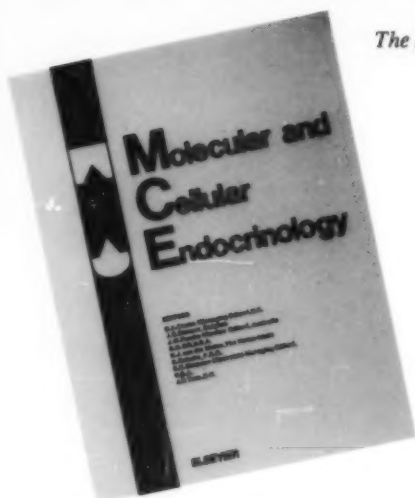
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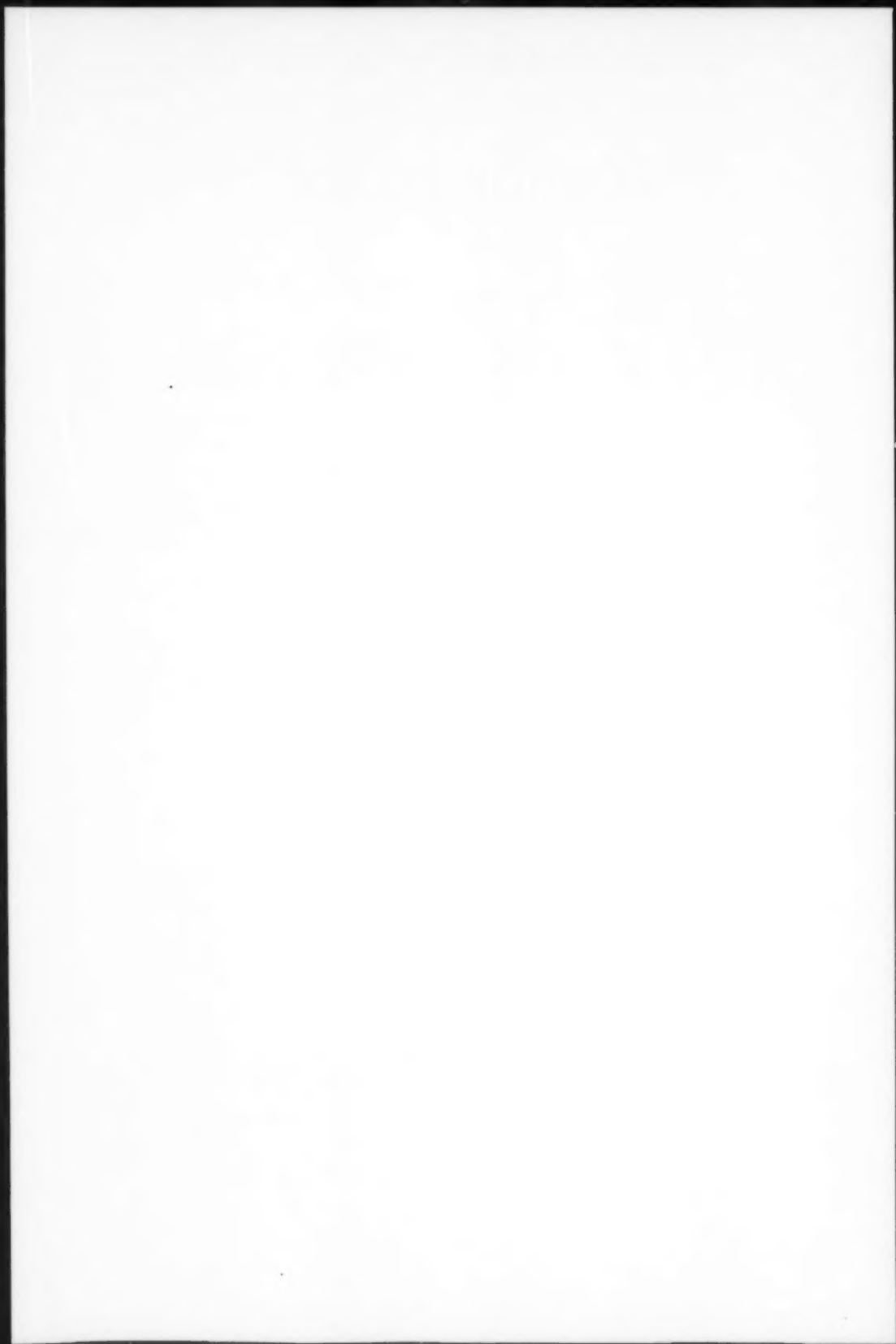
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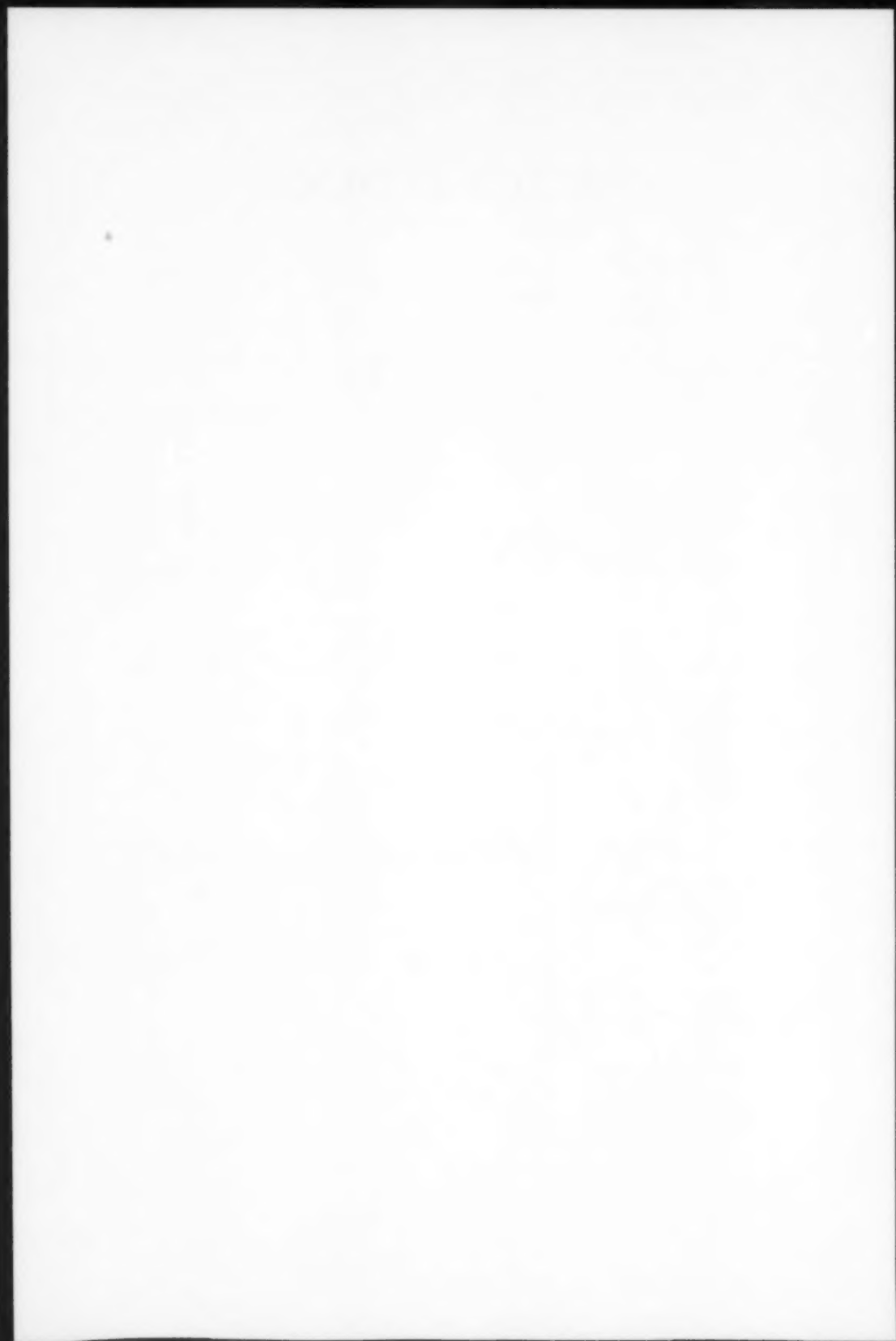
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Angiotensin I-converting enzyme (kininase II)

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Apolipoprotein A-I measurement, storage effects on

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Branched-chain 2-oxo acid

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Maple syrup urine disease — analysis of: Skin fibroblast culture; Branched-chain L-amino acid (Schadewaldt, P. (184) 47)

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CA125

Placental alkaline phosphatase (PLAP); CA54/61; Ovarian tumor; Ovarian serous cystadenocarcinoma; Dysgerminoma (Nozawa, S. (186) 275)

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Calcium isotope techniques

Calcium absorption (Miller, J.Z. (183) 107)

[¹⁴C]calcium oxalate

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Carbamylated haemoglobin

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Carnitine functions

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Carnitine metabolism

Carnitine; Carnitine functions; Carnitine transport; Carnitine deficiencies (Siliprandi, N. (183) 3)

Carnitine transport

Carnitine; Carnitine metabolism; Carnitine functions; Carnitine deficiencies (Siliprandi, N. (183) 3)

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Cholestasis

Choledochocaval fistula; Enzyme activities, Mechanisms of increase (Putzki, H. (181) 81)

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Citrullinemia

Argininosuccinate synthase; Citrulline (Ben-Yoseph, Y. (183) 125)

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Breast cancer; Proto-oncogenes; *int-2*; *c-erbB-2*; Lymph node; Estrogen receptor; Progesterone receptor (Machotka, S.V. (184) 207)

Cobalamin

Amniotic fluid; Intrinsic factor; Haptocorrin; Transcobalamin (Guéant, J.L. (181) 151)

Coeliac disease

Antigliadin antibodies; ELISA; IgA isotyping; Screening (Elewaut, A. (183) 285)

Cold acetone precipitation

Phospholipid; Amniotic fluid; Surfactant (Budria, R.J. (180) 141)

Collagen

Rheumatic disease (Myllylä, R. (183) 243)

Collagenase

Direct extraction; Cartilage; Osteoarthritis (Blanckaert, A. (185) 73)

Collagenase inhibitor

Latent collagenase; Trypsin activation; Rheumatoid arthritis; Synovial fluid (Tagawa, M. (186) 119)

Colorimetry

Serum copper; Highly sensitive reagent; Pediatric chemistry (Makino, T. (185) 7)

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Autoimmune thyroiditis; Antithyroglobulin antibody; Thyroid antimicrosomal antibody (Engler, H. (179) 251)

Competition ELISA

Bone Gla protein (osteocalcin); Sex and age differences (Egsmose, C. (184) 279)

Complement

Anaphylatoxin; Exercise (Dufaux, B. (179) 45)

Con A affinity

α 1-Acid glycoprotein; Rat; Inflammation; Crossed affino immunoelectrophoresis; Biantennary glycan content (Pos, O. (184) 121)

Concanavalin A

γ -Glutamyltransferase (GGT; EC 2.3.2.2); Affinity electrophoresis; Tumor marker; Hepatocellular carcinoma (Yoshikawa, C. (185) 315)

Continuous-flow system

Bioluminescent assay; Adenosine deaminase activity; Bacterial luciferase; Immobilized enzyme; Photon counting (Oda, K. (185) 17)

Coproporphyrin

Hemoglobin; Second derivative; Differential spectrophotometry; Meconium aspiration (Ficheux, H. (182) 53)

Corneal and conjunctival diseases

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Apolipoprotein; Coronary risk; Lipoprotein; Low density lipoprotein; High density lipoprotein; Apolipoprotein measurement; Apolipoprotein standardization (Bachorik, P.S. (178) 1)

Coronary risk

Apolipoprotein; Coronary disease; Lipoprotein; Low density lipoprotein; High density lipoprotein; Apolipoprotein measurement; Apolipoprotein standardization (Bachorik, P.S. (178) 1)

Corticosteroid

Saliva; Adrenal function (Bolufer, P. (183) 217)

Corticosteroid-binding globulin

Bronchoalveolar fluid; Characterization (Loric, S. (186) 19)

Cortisol

Lipoprotein; Androstenedione; Adrenal cortex; Triglyceride; Cholesterol (Nanjee, M.N. (180) 113)

Coulometric electrochemical detector

Glutathione; HPLC (Harvey, P.R.C. (180) 203)

Coupled enzyme assay

3-Methylglutaconyl-CoA hydratase; 3-Methylcrotonyl-CoA carboxylase; 3-Hydroxy-3-methylglutaryl-CoA lyase (Narisawa, K. (184) 57)

C-reactive protein

Immunometric assay (Shapiro, D. (180) 285)

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Duchenne muscular dystrophy (Passos-Bueno, M.R. (179) 163)

Creatine kinase

Intestine; Ischemia; Lactate dehydrogenase; Rats (Roth, M. (183) 65)

Creatine kinase BB isoenzyme

Radioimmunoassay; Human placenta; Polyacrylamide gel electrophoresis (Geng, J.-G. (181) 1)

Creatinine analysis

Enzymatic analysis; Creatinine deiminase; *N*-Methylhydantoin amidohydrolase; *N*-Carbamoylsarcosine amidohydrolase (Shimizu, S. (185) 241)

Creatinine deiminase

Creatinine analysis; Enzymatic analysis; *N*-Methylhydantoin amidohydrolase; *N*-Carbamoylsarcosine amidohydrolase (Shimizu, S. (185) 241)

Crosby capsule

Endoscopic biopsy; Disaccharidases; Hypolactasia (Smith, J.A. (183) 317)

Crossed affino immunoelectrophoresis

α 1-Acid glycoprotein; Rat; Inflammation; Con A affinity; Biantennary glycan content (Pos, O. (184) 121)

CSF-albumin

Reference values; Multiple sclerosis; Children; Meningitis (Öhman, S. (181) 265)

CSF-IgM

IgM-index; IgG-index; Neurovenereological disease (Van Kamp, G.J. (183) 295)

Cystic fibrosis

alpha-Glucosidase; Fibroblast; Lysosomal (Vladutiu, G.D. (178) 337)

Erythrocyte; Phosphoinositide; Phospholipase C (Doughney, C. (181) 55)

Free radicals; Linoleic acid isomer (Salh, B. (181) 65)

Cystic fibrosis protein

Lactoferrin; Serum; Plasma; Granulocyte (Barthe, C. (181) 183)

³⁵S-Cystine

HPLC; Cystinosis; Prenatal diagnosis (Hall, N.A. (184) 1)

Cystinosis

HPLC; ³⁵S-Cystine; Prenatal diagnosis (Hall, N.A. (184) 1)

Cytochemical assay

Glucose-6-phosphate dehydrogenase deficiency; Chromate inhibition test; Spectrophotometric enzyme assay (Jonges, G.N. (181) 135)

Cytochrome b₅

Erythrocyte diaphorase; NADH₂; Ferricyanide; Methemoglobin; Reductase (Papandreou, P. (181) 189)

Cytotoxicity

Molecular mechanisms; Pathogenesis; Bacterial protease; Vascular permeability; Immunoglobulin degradation; Secondary infection (Maeda, H. (185) 355)

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Decarboxylation of histidine

Histamine; Histidinemia (Tanabe, M. (186) 11)

Decidua

Amniotic fluid; Angiotensinogen; Placenta; Renin substrate (Metsärinne, K. (180) 221)

Deoxycholic acid

Gastrotoxicity; Duodenogastric reflux; Rat; Gastric; Stomach; Bile acid (Armstrong, D. (178) 313)

5'-Deoxy-5-fluorouridine

Pyrimidine nucleoside phosphorylase; Uridine; High-performance liquid chromatography (Laurén, E.J. (178) 71)

Deoxynojirimycin

Diabetes; alpha-Glucosidase; Processing; Glycogenesis; Lysosome (Wisselaar, H.A. (182) 41)

Deoxyribonuclease I

Radioimmunoassay; Enzymatic assay; Cancer; Deoxyribonuclease I inhibitor (Miyauchi, K. (184) 115)

Deoxyribonuclease I inhibitor

Deoxyribonuclease I; Radioimmunoassay; Enzymatic assay; Cancer (Miyauchi, K. (184) 115)

Depressive disorder

Plasma dexamethasone; Dexamethasone suppression test (Lejeune-Lenain, C. (179) 13)

Desmosterol

Squalene; Lathosterol; Campesterol; Sitosterol; Plant sterol (Gylling, H. (178) 41)

Dexamethasone suppression test

Plasma dexamethasone; Depressive disorder (Lejeune-Lenain, C. (179) 13)

Diabetes

Deoxynojirimycin; alpha-Glucosidase; Processing; Glycogenesis; Lysosome (Wisselaar, H.A. (182) 41)

Hypertension; Sodium influx; Sodium-Potassium pump; Furosemide; Erythrocyte (Chimori, K. (183) 263)

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Non-enzymatic glycosylation or glycation; Apolipoprotein B; Affinity chromatography; Immunoturbidimetry; Atherosclerosis (Kortlandt, W. (186) 109)

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Glucose; Acetate; Fatty acid, Non-esterified; Ketone bodies (Akanji, A.O. (178) 85)

Glucose; Acetate; Non-esterified fatty acids (Akanji, A.O. (185) 25)

Microalbuminuria; One-step sandwich enzyme immunoassay; Monoclonal antibody (Niwa, T. (186) 391)

Diabetes mellitus (insulin-dependent)

Cholesterol; Low density lipoprotein (Winocour, P.H. (179) 79)

Diabetic children

Glomerular filtration rate (Gibb, D.M. (182) 131)

Diabetic nephropathy

Albuminuria; Proteinuria; Immunoassay (Neuman, R.G. (179) 229)

Diabetic pregnancy

Serum fructosamine; N-acetyl-beta-Glucosaminidase; Albuminuria (Škrha, J. (182) 281)

Diabetics

Whole blood glucose (Yamasaki, Y. (180) 93)

Diagnosis

Enzyme; Isoenzyme; Mitochondria; Inborn errors of metabolism (Schmidt, F.W. (185) 253)

Diagnostic characteristic

P-amylose immunoassay; Acute pancreatitis; Method comparison (Sacchetti, L. (183) 95)

Diagnostic criteria

Pancreatitis; Amylase; Lipase; Amylase isoenzyme; Macroamylase; Pancreatic pseudocyst (Lott, J.A. (183) 33)

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F protein; Liver disease (Foster, G.R. (184) 85)

Dialysate

Trihalomethane; Hemodialysis; Breath (Cailleux, A. (180) 303)

Diene conjugation

Cervix; Cancer; Octadeca-9,11-dienoic acid (Parham, D.M. (182) 289)

Differential spectrophotometry

Coproporphyrin; Hemoglobin; Second derivative; Meconium aspiration (Ficheux, H. (182) 53)

Digestive cancer

Enzyme-linked immunosorbent assay (ELISA); Human copper, zinc-superoxide dismutase (Cu, Zn-SOD); Monoclonal antibody (Oka, S. (182) 209)

Dihydropteridine reductase

Tetrahydrobiopterin; *Streptozotocin*; Neurotransmitter (Hamon, C.G. (181) 249)

2,8-Dihydroxyadenine lithiasis

High-performance liquid chromatography; Electrochemical detection; Adenine phosphoribosyltransferase deficiency (Kojima, T. (181) 109)

3,4-Dihydroxyphenylalanine

Plasma DOPA; Cerebrospinal fluid DOPA; 3-O-Methyldopa; HPLC-ECO (Boomsma, F. (178) 59)

4-Dimethylaminobenzaldehyde

γ -Glutamyltransferase activity; γ -Glutamyl-carboxyanilide; 4-Dimethylaminocinnamaldehyde (Szewczuk, A. (178) 35)

4-Dimethylaminocinnamaldehyde

γ -Glutamyltransferase activity; γ -Glutamyl-carboxyanilide; 4-Dimethylaminobenzaldehyde (Szewczuk, A. (178) 35)

Dipeptidyl aminopeptidase IV

Purification; Human kidney (Wolf, G.B. (179) 61)

Direct extraction

Collagenase; Cartilage; Osteoarthritis (Blancaert, A. (185) 73)

Disaccharidases

Endoscopic biopsy; Crosby capsule; Hypolactasia (Smith, J.A. (183) 317)

DNA

Liver/bone/kidney; Placental; Intestinal; Placental-like; Polymorphism; Malignancy (Harris, H. (186) 133)

cDNA cloning

Alkaline phosphatase; FL-amnion cell; Kasahara isoenzyme; Hepatoma (Higashino, K. (186) 151)

DNA diagnosis

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Polymorphism; Transthyretin; Prealbumin; PCR method (Sakaki, Y. (185) 289)

cDNA library

Alkaline phosphatase; DNA sequence analysis; Embryonal carcinoma cells (Hahnel, A.C. (186) 171)

DNA sequence analysis

Alkaline phosphatase; cDNA library; Embryonal carcinoma cells (Hahnel, A.C. (186) 171)

Drug effects

Aminopeptidase; Isozyme; Liver disease; Alcoholism; Enzyme release (Sanderink, G.-J. (179) 23)

Drugs

Histamine; Radioenzyme assay (Harvima, R.J. (180) 231)

Drugs of abuse

Morphine; Enzyme immunoassay; Urine narcotic analysis (Laurie, D. (183) 183)

Duchenne muscular dystrophy

Creatine-kinase (Passos-Bueno, M.R. (179) 163)

Duodenogastric reflux

Gastrotoxicity; Rat; Deoxycholic acid; Gastric; Stomach; Bile acid (Armstrong, D. (178) 313)

Dynospheres®

Carbonyldiimidazole; Tosyl chloride; Solid-phase antibody; Immunopurification (McConway, M.G. (179) 265)

Dysfibrinogenemia

Fibrinogen; Chromatofocussing; Agarose gel isoelectrofocussing (Fernández, F.J. (179) 239)

Dysgerminoma

Placental alkaline phosphatase (PLAP); CA54/61; CA125; Ovarian tumor; Ovarian serous cystadenocarcinoma (Nozawa, S. (186) 275)

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Elastase

Asthma; α_2 -Macroglobulin; Chronic obstructive pulmonary disease (Kilroe-Smith, T.A. (185) 81)

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Circadian variations; Seasonal variations; Aging; Reference values (Touitou, Y. (180) 245)

Electron impact mass spectrometry

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Alkaline phosphatase; Lectin affinity; Monoclonal antibody; Neuraminidase treatment; PI-anchor (Miura, M. (180) 177)

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Inductively coupled mass spectrometry; Tellurium; Biological fluid (Newman, R.A. (179) 191)

ELISA

Apolipoprotein A-I; Immunoquantitation; HDL; Monoclonal antibody (Bojanovski, M. (178) 159)

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Nonspecific reaction; Serum; hTNF- α (Abe, Y. (181) 223)

Free immunoglobulin kappa light chains; Cerebrospinal fluid; Multiple sclerosis; Inflammatory nervous system disorders (Lolli, F. (182) 229)

Acute intermittent porphyria; Porphobilinogen deaminase (Lannfelt, L. (183) 227)

Antigliadin antibodies; Coeliac disease; IgA isotyping; Screening (Elewaut, A. (183) 285)

FSH; LH; Penicillinase; Urinary gonadotropins (Desai, M. (184) 315)

Glycated albumin; Monoclonal antibody; Diabetes; Glycemic control (Hud, E. (185) 157)

Protein S; C4b-BP-protein S complexes; Free protein S; Protein S deficiency; Thrombosis (Deutz-Terlouw, P.P. (186) 321)

ELISA immunoassay

Isoferritin; Serum ferritin; Tumor marker (Cozzi, A. (184) 197)

ELISA measurement of apolipoprotein A-I

Apolipoprotein A-I, immunoreactivity of; Apolipoprotein A-I measurement, storage effects on; Temperature and apolipoprotein A-I measurement (Wang, X.L. (179) 285)

Embryonal carcinoma cells

Alkaline phosphatase; cDNA library; DNA sequence analysis (Hahnel, A.C. (186) 171)

Endometrial protein

Placental protein 14; Immunofluorometric assay; Follicular fluid (Riittinen, L. (183) 115)

Placental protein 14; Amniotic fluid; Protein purification; Amino acid sequence; Progesterone-dependent endometrial protein (Riittinen, L. (184) 19)

Endometriosis

Alkaline phosphatase; Peritoneal fluid (Kang, J.O. (186) 285)

Endoscopic biopsy

Crosby capsule; Disaccharidases; Hypolactasia (Smith, J.A. (183) 317)

gamma-gamma Enolase

Bioluminescence; Neuron specific enolase; Cerebrospinal fluid (Wevers, R.A. (178) 141)

Enzymatic amplification

Biotinylated oligonucleotides; Polymerase chain reaction (PCR); Allele specific oligonucleotide analysis; α -1-Antitrypsin (Gregersen, N. (182) 151)

Enzymatic analysis

Branched-chain 2-oxo acid; Ketoisocaproate; 2-Hydroxyisocaproate dehydrogenase; Maple syrup urine disease; High performance liquid chromatography (Schadewaldt, P. (183) 171)

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Serum sialic acid; *N*-Acylmannosamine dehydrogenase (Horiuchi, T. (182) 117)

Deoxyribonuclease I; Radioimmunoassay; Cancer; Deoxyribonuclease I inhibitor (Miyachi, K. (184) 115)

Enzymatic fluorimetry

Bile acid, serum unconjugated, conjugated, and primary; Small bowel bacterial overgrowth; [14 C]Glycocholate breath test; Gas-liquid chromatography-mass spectrometry (Bolt, M.J.G. (181) 87)

Enzyme

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Isoenzyme; Mitochondria; Inborn errors of metabolism; Diagnosis (Schmidt, F.W. (185) 253)

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Enzyme immunoassay

Medullasin; Multiple sclerosis; Behçet's disease (Aoki, Y. (178) 193)

Human pancreatic secretory trypsin inhibitor (PSTI); Monoclonal antibody; Antigenicity of PSTI complexed with trypsin (Kurobe, M. (178) 205)

Slow moving protease; Acid proteinase (Matsusako, K. (181) 19)

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Human serum pancreatic lipase; Monoclonal antibody; Immunosorbent enzyme assay (Ohkara, Y. (182) 295)

Cholestasis; Liver cirrhosis; β -Hexosaminidase; Isoenzyme; Monoclonal antibodies; Pregnancy; Serum (Isaksson, A. (183) 155)

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Alkaline phosphatase; Radioimmunoassay; Monoclonal antibody (Hill, C.S. (186) 315)

Enzyme immunoassay (EIA)

Serum amyloid A protein (SAA); Normal value (Yamada, T. (179) 169)

Enzyme immunoassay

Morphine; Drugs of abuse; Urine narcotic analysis (Laurie, D. (183) 183)

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Enzyme immunoassay; β -D-Galactosidase; Peroxidase; Antigen; Antibody (Ishikawa, E. (185) 223)

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Celiac disease; Gliadin; Gluten (Friis, S.U. (178) 261)

Enzyme-linked immunosorbent assay, ELISA

Apo A-I, rabbit and human; Monoclonal antibody (Leroy, A. (179) 85)

Enzyme-linked immunosorbent assay (ELISA)

Human copper, zinc-superoxide dismutase (Cu, Zn-SOD); Monoclonal antibody; Digestive cancer (Oka, S. (182) 209)

Enzyme multiplied immunoassay test (EMIT)

Caffeine; Liver drug-metabolizing enzyme function (Varagnolo, M. (183) 91)

Enzyme release

Aminopeptidase; Isozyme; Liver disease; Alcoholism; Drug effects (Sanderink, G.-J. (179) 23)

Equilibrium dialysis

Free thyroxine; Chemiluminescence (Beaman, J. (186) 83)

Erythrocyte

Ageing; Amiloride; Phloretin; Sodium transport (Carr, S. (178) 51)

Hemolytic resistance; Membrane lipid; Hemodialysis (Peuchant, E. (178) 271)

Psoriasis; Oil; Fatty acid; Malondialdehyde; Glutathione-peroxidase; Bleeding; Membrane; Platelet (Corrocher, R. (179) 121)

Furosemide; Ouabain; Plasma sodium transport (Tepper, T. (179) 133)

Plasma lipoprotein; Cholesterol; Sick cell anemia (Ngogang, J. (179) 295)

Hemolysate; Transketolase; Artefacts; Methemoglobin; Monooxygenase (Grudzinski, A. (180) 265)

Cystic fibrosis; Phosphoinositide; Phospholipase C (Doughney, C. (181) 55)

Hereditary fructose intolerance; Fructaldolases A and B (Gitzelmann, R. (181) 163)

Fructose; Sorbitol dehydrogenase; Fluorimetry (Liu, S.-Q. (181) 219)

AMP Deaminase; Assay (Dale, G.L. (182) 1)

Diabetes; Hypertension; Sodium influx; Sodium-Potassium pump; Furosemide (Chimori, K. (183) 263)

Cation; Transport; Fatty acid; Lipid; Psoriasis; Membrane (Corrocher, R. (186) 335)

Erythrocyte diaphorase

NADH₂; Ferricyanide; Cytochrome b₅; Methemoglobin; Reductase (Papandreou, P. (181) 189)

Erythrocyte glutathione reductase

Inhibition; Ariboflavinosis; Mitomycin-C; FAD (Okuda, J. (181) 37)

Erythrocyte life span

Chromium-51; Isotope, nonradioactive (Dever, M. (181) 337)

Erythrocyte membrane

Amyotrophic lateral sclerosis; NMR relaxation; Water exchange (Monti, J.P. (185) 53)

Erythrocyte protoporphyrin

Hemoglobin; Heme; Hematocrit; Anemia (Harada, K. (180) 87)

Essential hypertension

Urinary kallikrein; Trypsin activation; Radioimmunoassay; Bioassay (Maier, M. (178) 127)

Estrogen receptor

Breast cancer; Proto-oncogenes; *int-2*; *c-erbB-2*; *c-myc*; Lymph node; Progesterone receptor (Machotka, S.V. (184) 207)

Ethanol

Ethylene glycol; Analysis; Alcohol oxidoreductase; Glycolaldehyde (Hansson, P. (182) 95)

Ethanol withdrawal

Glutamate dehydrogenase; Alcohol; Serum (Weill, J. (179) 323)

Ethylene glycol

Analysis; Alcohol oxidoreductase; Glycolaldehyde; Ethanol (Hansson, P. (182) 95)

Exercise

Atrial natriuretic peptide; Radioimmunoassay; Blood sampling condition (Tan, A.C.I.T.L. (179) 1)

Complement; Anaphylatoxin (Dufaux, B. (179) 45)

Xanthinuria; Xanthine oxidase; Hypoxanthine; Xanthine (Landau, S. (181) 119)

Experimental animal

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Site-directed mutagenesis; Sequence homology; Immunocytochemistry Immunoassay; Structure-function (Narisawa, S. (186) 189)

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Factor XIII deficiency

Factor XIII; Immunelectrophoresis (Kroll, J. (179) 279)

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Inhibition; Erythrocyte glutathione reductase; Ariboflavinosis; Mitomycin-C (Okuda, J. (181) 37)

Fatty acid

Psoriasis; Oil; Malondialdehyde; Glutathione-peroxidase; Bleeding; Membrane; Erythrocyte; Platelet (Corrocher, R. (179) 121)

Cation; Transport; Lipid; Psoriasis; Membrane; Erythrocyte (Corrocher, R. (186) 335)

Fatty acid, Non-esterified

Glucose; Acetate; Diabetes mellitus; Ketone bodies (Akanji, A.O. (178) 85)

Fecal steroid

Viscous fibre; Guar gum; Cholesterol synthesis; Cholesterol precursor; Biliary lipid (Miettinen, T.A. (183) 253)

Ferricyanide

Erythrocyte diaphorase; NADH_2 ; Cytochrome b_5 ; Methemoglobin; Reductase (Papandreou, P. (181) 189)

Ferritin

Aluminum; Absorption (Cochran, M. (178) 79)

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Amniotic fluid; Intestinal alkaline phosphatase; Alkaline phosphatase heterogeneity (Verpooten, G.F. (186) 225)

α -Fetoprotein

Antibody-lectin enzyme immunoassay; Sugar chain; Liver disease (Kinoshita, N. (179) 143)

Fibrinogen

Dysfibrinogenemia; Chromatofocussing; Agarose gel isoelectrofocussing (Fernández, F.J. (179) 239)

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Fibrinogen species origin; Fibrinogen gelation (Regañón, E. (184) 7)

Fibrinogen gelation

Fibrinogen species origin; Fibrinogen degradation (Regañón, E. (184) 7)

Fibrinogen species origin

Fibrinogen degradation; Fibrinogen gelation (Regañón, E. (184) 7)

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Lipoprotein; Radioimmunoassay; Atherosclerosis (Cseh, K. (182) 75)

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Polyethylene glycol; Immune complexes; Arthritis; Synovial fluid (Griffiths, A.M. (184) 133)

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Selenium; Liver; Cirrhosis; Procollagen; Fibronectin (Casaril, M. (182) 221)

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Alkaline phosphatase; Kasahara isoenzyme; Hepatoma; cDNA cloning (Higashino, K. (186) 151)

Fluorescein

Bromide; Spectrophotometry (Trapp, S.A. (181) 207)

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Fructose; Sorbitol dehydrogenase; Erythrocyte (Liu, S.-Q. (181) 219)

Folic acid

5-Methyltetrahydrofolic acid; 5-Formyltetrahydrofolic acid (Leeming, R.J. (180) 241)

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Placental protein 14; Endometrial protein; Immunofluorometric assay (Riittinen, L. (183) 115)

Formyl-cellulose

Affinity chromatography; Apolipoprotein; Lipoprotein; Apo A-I-containing lipoprotein (Ohta, T. (179) 183)

5-Formyltetrahydrofolic acid

Folic acid; 5-Methyltetrahydrofolic acid (Leeming, R.J. (180) 241)

F protein

Liver disease; Diagnostic test (Foster, G.R. (184) 85)

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Free thyroxine; Thyroid function; Triiodothyronine (Tikanoja, S.H. (179) 33)

Free fatty acids

Gas-liquid chromatography; Lipid extraction; Thin layer chromatography; Plasma (Tichelaar, H.Y. (183) 207)

Free glycerol interference

Serum triglyceride, measurement of (Artiss, J.D. (182) 109)

Free immunoglobulin kappa light chains

ELISA; Cerebrospinal fluid; Multiple sclerosis; Inflammatory nervous system disorders (Lolli, F. (182) 229)

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Protein S; C4b-binding protein; Protein C; Acquired protein S deficiency (Takahashi, H. (182) 195)

Protein S; ELISA; C4b-BP-protein S complexes; Protein S deficiency; Thrombosis (Deutz-Terlouw, P.P. (186) 321)

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Octadeca-9,11-dienoic acid; Cervical intra-epithelial neoplasia (Fairbank, J. (186) 53)

Free radicals

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Free fatty acid; Thyroid function; Triiodothyronine (Tikanoja, S.H. (179) 33)

Chemiluminescence; Equilibrium dialysis (Beaman, J. (186) 83)

Fructaldoses A and B

Hereditary fructose intolerance; Erythrocyte (Gitzelmann, R. (181) 163)

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Hypoalbuminemia; Bilirubin; Renal failure (Dominiczak, M.H. (182) 123)

Fructose

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FSH

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Fucose

alpha 1-Acid glycoprotein; Microheterogeneity; Liver disease; Carbohydrate (Biou, D. (186) 59)

Furosemide

Erythrocyte; Ouabain; Plasma sodium transport (Tepper, T. (179) 133)

Diabetes; Hypertension; Sodium influx; Sodium-Potassium pump; Erythrocyte (Chimori, K. (183) 263)

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β -Galactosidase

GM1 gangliosidosis; Oligosaccharide; Subtype (Takahashi, Y. (179) 153)

Non-isotopic immunoassay; CEDIATM; Homogenous enzyme immunoassay (Khanna, P.L. (185) 231)

β -D-Galactosidase

Enzyme immunoassay; Enzyme-labelling; Peroxidase; Antigen; Antibody (Ishikawa, E. (185) 223)

Galactosyl oligosaccharide β -galactosidase

GM1 gangliosidosis; Subtype (Takahashi, Y. (179) 219)

Galactosyltransferase

Isoform; Lectin affinity chromatography; Human malignant ascite (Boyle, F.A. (178) 289)

Gas chromatography

Quantitation; Mass spectrometry; Vitamin D₂ metabolites; Plasma (Coldwell, R.D. (180) 157)

3-Methoxy-4-hydroxyphenylglycol; MHPG; Plasma (Piletz, J.E. (185) 165)

Gas chromatography-Mass spectrometry

Plant lignan; Urine; Human; Metabolism (Bannwart, C. (180) 293)

Gas chromatography-mass spectrometry

Oximation; Acetoacetic acid; Ketosis; Organic acid; Urine analysis (Mills, G.A. (184) 93)

Gas-liquid chromatography

Free fatty acids; Lipid extraction; Thin layer chromatography; Plasma (Tichelaar, H.Y. (183) 207)

Gas-liquid chromatography-mass spectrometry

Bile acid, serum unconjugated, conjugated, and primary; Small bowel bacterial overgrowth; [¹⁴C]Glycocholate breath test; Enzymatic fluorimetry (Bolt, M.J.G. (181) 87)

Gastric

Gastrotoxicity; Duodenogastric reflux; Rat; Deoxycholic acid; Stomach; Bile acid (Armstrong, D. (178) 313)

Gastric carcinogenesis

Alkaline phosphatase; Fibroblast; Ossification (rat) (Hirota, N. (186) 301)

Gastric carcinoma

Novel alkaline phosphatase (Imanishi, H. (186) 309)

Gastrointestinal tract decontamination

Polyamine; Urinary tract infection; Microbial polyamine synthesis (Satink, H.P.W.M. (179) 305)

Gastrotoxicity

Duodenogastric reflux; Rat; Deoxycholic acid; Gastric; Stomach; Bile acid (Armstrong, D. (178) 313)

Gaucher's disease

Glucocerebrosidase; Heterozygote detection; β -Glucosidase (Butcher, B.A. (184) 235)

Gel permeation chromatography

Infantile visceral Leishmaniasis; Apolipoprotein A-I; Apolipoprotein A-II; Apolipoprotein B; Plasma lipoprotein; Two-dimensional immunoelectrophoresis (Bekaert, E.D. (184) 181)

GGT

Urinary lysosomal enzyme; Brush border enzyme; Renovascular surgery; NAG; AAP; β -Glucuronidase (Holmes, R.P. (186) 1)

GLA

Carboxyglutamic acid; Osteocalcin; Bone resorption; HPLC (Fournier, B. (182) 173)

Gladin

Celiac disease; Gluten; Enzyme-linked immunosorbent assay (Friis, S.U. (178) 261)

Glomerular filtration rate

Diabetic children (Gibb, D.M. (182) 131)

Glucagon

Insulin; Liver cirrhosis; Impaired glucose tolerance (Antoniello, S. (183) 343)

Glucocerebrosidase

Gaucher's disease; Heterozygote detection; β -Glucosidase (Butcher, B.A. (184) 235)

Glucocorticoid and insulin receptors

Monocytes; Type 1 diabetes mellitus (Damm, P. (184) 167)

Glucose

Acetate; Fatty acid, Non-esterified; Diabetes mellitus; Ketone bodies (Akanji, A.O. (178) 85)

Diabetes mellitus; Acetate; Non-esterified fatty acids (Akanji, A.O. (185) 25)

Glucose-6-phosphate dehydrogenase deficiency

Chromate inhibition test; Spectrophotometric enzyme assay; Cytochemical assay (Jonges, G.N. (181) 135)

Glucose tolerance

Adenine incorporation rate; Mononuclear cells; Phagocytic cells; Insulin-dependent diabetes; Risk persons (Schäfer, J.H. (183) 333)

alpha-Glucosidase

Cystic fibrosis; Fibroblast; Lysosomal (Vladutiu, G.D. (178) 337)

Deoxynojirimycin; Diabetes; Processing; Glycosenosis; Lysosome (Wisselaar, H.A. (182) 41)

 β -Glucosidase

Gaucher's disease; Glucocerebrosidase; Heterozygote detection (Butcher, B.A. (184) 235)

 β -Glucuronidase

Urinary lysosomal enzyme; Brush border enzyme; Renovascular surgery; NAG; AAP; GGT (Holmes, R.P. (186) 1)

Glutamate dehydrogenase

Alcohol; Serum; Ethanol withdrawal (Weill, J. (179) 323)

 γ -Glutamyl-carboxyanilide

γ -Glutamyltransferase activity; 4-Dimethylaminobenzaldehyde; 4-Dimethylaminocinnamaldehyde (Szewczuk, A. (178) 35)

 γ -Glutamyltransferase activity

γ -Glutamyl-carboxyanilide; 4-Dimethylaminobenzaldehyde; 4-Dimethylaminocinnamaldehyde (Szewczuk, A. (178) 35)

 γ -Glutamyltransferase (GGT; EC 2.3.2.2)

Affinity electrophoresis; Tumor marker; Concanavalin A; Hepatocellular carcinoma (Yoshikawa, C. (185) 317)

 γ -Glutamyl transpeptidase

Sugar-chain heterogeneity; Serial lectin affinity chromatography; Reproductive system; Kidney (Arai, K. (184) 75)

Glutathione

HPLC; Coulometric electrochemical detector (Harvey, P.R.C. (180) 203)

Glutathione-peroxidase

Psoriasis; Oil; Fatty acid; Malondialdehyde; Bleeding; Membrane; Erythrocyte; Platelet (Corrocher, R. (179) 121)

Glutathione peroxidase

Glutathione transferase; Glutathione-related enzyme activity; Prostatic carcinoma (Aceto, A. (183) 83)

Glutathione-related enzyme activity

Glutathione peroxidase; Glutathione transferase; Prostatic carcinoma (Aceto, A. (183) 83)

Glutathione S-transferase

Radioimmunoassay; Human; Bile; Bile salts (Howie, A.F. (184) 269)

Glutathione transferase

Glutathione peroxidase; Glutathione-related enzyme activity; Prostatic carcinoma (Aceto, A. (183) 83)

Gluten

Celiac disease; Gliadin; Enzyme-linked immunosorbent assay (Friis, S.U. (178) 261)

Glycated albumin

Monoclonal antibody; ELISA; Diabetes; Glycemic control (Hud, E. (185) 157)

Glycated hemoglobin

Minor hemoglobin component; Hypoglycemia (Niketic, V. (180) 121)

Glycemic control

Glycated albumin; Monoclonal antibody; ELISA; Diabetes (Hud, E. (185) 157)

Glycogenesis

Deoxynojirimycin; Diabetes; alpha-Glucosidase; Processing; Lysosome (Wisselaar, H.A. (182) 41)

Glycolaldehyde

Ethylene glycol; Analysis; Alcohol oxidoreductase; Ethanol (Hansson, P. (182) 95)

Glycoprotein

Mucin; Tumor-associated antigen (Imokawa, M. (180) 45)

Acid Phosphatase, prostatic-type; Isoenzyme; Charge isoform (Morris, M.F. (182) 9)

Glycosaminoglycan

Calcium; Oxalate; Inhibitor; Pentosan polysulphate (Fellström, B. (180) 213)

Glycosylation

Glycosyltransferase; Monocyte; Leukemia; Monoblast (Francina, A. (183) 301)

Serum; Haptoglobin; Rheumatoid arthritis (Thompson, S. (184) 251)

Heterogeneity; Placental-like alkaline phosphatase; Seminoma; Hydrophobicity; Charge (Koshida, K. (186) 255)

Glycosyltransferase

Glycosylation; Monocyte; Leukemia; Monoblast (Francina, A. (183) 301)

GM1 gangliosidosis

Oligosaccharide; β -Galactosidase; Subtype (Takahashi, Y. (179) 153)

Galactosyl oligosaccharide β -galactosidase; Subtype (Takahashi, Y. (179) 219)

Gonadotrophin

Pituitary; Blood analysis; Immunoassay; Quality control; Monoclonal antibody; Test interference (Seth, J. (186) 67)

G protein

ras; Signal transduction (Yamamoto, K. (185) 345)

Granulocyte

Cystic fibrosis protein; Lactoferrin; Serum; Plasma (Barthe, C. (181) 183)

Growth factor

Human hepatoma cell line (Nakamura, H. (183) 273)

Guar gum

Viscous fibre; Cholesterol synthesis; Fecal steroid; Cholesterol precursor; Biliary lipid (Miettinen, T.A. (183) 253)

Gut bacteria

2,3-Butanediol; Acetoin; Capillary gas chromatography; Mass spectrometry; Premature baby (Mills, G.A. (179) 51)

Gynecological cancer

Placental-like alkaline phosphatase; Monoclonal antibody; Human ovary; Ascites; Ovarian tumor (Koyama, I. (186) 295)

H

Haemodialysis

Carbamylated haemoglobin; Chronic renal failure; CAPD; Transplantation (Smith, W.G.J. (178) 297)

Hair

Aluminium; Serum; Bone; Histomorphometry (Chappuis, P. (179) 271)

Antimony; Leishmaniasis; Therapy; Neutron activation analysis (Jose, (179) 341)

Haptocorrin

Amniotic fluid; Cobalamin; Intrinsic factor; Transcobalamin (Guéant, J.L. (181) 151)

Haptoglobulin

Lectin; Blood serum; ELISA (Thompson, S. (180) 277)

Serum; Glycosylation; Rheumatoid arthritis (Thompson, S. (184) 251)

Hashimoto's thyroiditis

3,3',5-Triiodothyronine; Autoantibody (Muratsugu, M. (178) 171)

HDL

Apolipoprotein A-I; ELISA; Immunoquantitation; Monoclonal antibody (Bojanovski, M. (178) 159)

Heat stable alkaline phosphatase

Inherited hyperphosphatasemia (Onica, D. (180) 23)

Hematocrit

Erythrocyte protoporphyrin; Hemoglobin; Heme; Anemia (Harada, K. (180) 87)

Heme

Erythrocyte protoporphyrin; Hemoglobin; Hematocrit; Anemia (Harada, K. (180) 87)

Hemodialysis

Erythrocyte; Hemolytic resistance; Membrane lipid (Peuchant, E. (178) 271)

Ascorbic acid; Capillary fragility; Cholesterol; Peritoneal dialysis, continuous ambulatory; Oxalate (Tomson, C.R.V. (180) 255)

Trihalomethane; Breath; Dialysate (Cailleux, A. (180) 303)

Trihalomethane (Cailleux, A. (181) 75)

Hemoglobin

Erythrocyte protoporphyrin; Heme; Hematocrit; Anemia (Harada, K. (180) 87)

Coproporphyrin; Second derivative; Differential spectrophotometry; Meconium aspiration (Ficheux, H. (182) 53)

Hemolysate

Erythrocyte; Transketolase; Artefacts; Methemoglobin; Monooxygenase (Grudzinski, A. (180) 265)

Hemolysis

Catalase; Acute pancreatitis; Serum catalase disappearance (Góth, L. (186) 39)

Hemolytic anemia

Red cell; Sickle cell disease; Myeloproliferative syndrome; Phosphatidylinositol kinase; Phosphatidylinositol cycle (Boivin, P. (182) 165)

Hemolytic resistance

Erythrocyte; Membrane lipid; Hemodialysis (Peuchant, E. (178) 271)

Hepatic function

Serum biotinidase activity; Serum albumin; Liver disease; Serum enzyme (Grier, R.E. (186) 397)

Hepatic lipase

Lipase; Lipoprotein lipase; Reye's syndrome; Intravascular lipolysis (Kang, E.S. (184) 107)

Hepatocellular carcinoma

Pseudouridine; Modified nucleoside; Tumor marker (Amuro, Y. (178) 151)

γ -Glutamyltransferase (GGT; EC 2.3.2.2); Affinity electrophoresis; Tumor marker; Concanavalin A (Yoshikawa, C. (185) 315)

Hepatoma

N-Acetylglucosaminyltransferase III; Cirrhosis; Human (Ishibashi, K. (185) 323)

Alkaline phosphatase; FL-amnion cell; Kasahara isoenzyme; cDNA cloning (Higashino, K. (186) 151)

Hereditary fructose intolerance

Fructaldolases A and B; Erythrocyte (Gitzelmann, R. (181) 163)

Heterogeneity

Placental-like alkaline phosphatase; Seminoma; Hydrophobicity; Glycosylation; Charge (Koshida, K. (186) 255)

Heterozygote detection

Pyrimidine 5'-nucleotidase; Pyrimidine nucleotides; UDP-*N*-acetylhexosamines (De Korte, D. (184) 175)

Gaucher's disease; Glucocerebrosidase; β -Glucosidase (Butcher, B.A. (184) 235)

β -Hexosaminidase

Cholestasis; Liver cirrhosis; Enzyme immunoassay; Isoenzyme; Monoclonal antibodies; Pregnancy; Serum (Isaksson, A. (183) 155)

High density lipoprotein

Apolipoprotein; Coronary disease; Coronary risk; Lipoprotein; Low density lipoprotein; Apolipoprotein measurement; Apolipoprotein standardization (Bachorik, P.S. (178) 1)

High density lipoprotein subfractions; Apo A-I; Clomipramine (Skinner, E.R. (184) 147)

Cholesteryl ester transfer; Atherosclerosis; Peripheral vascular disease; Cholesterol; Triglyceride (Rühling, K. (184) 289)

High density lipoprotein subfractions

High density lipoprotein; Apo A-I; Clomipramine (Skinner, E.R. (184) 147)

Highly sensitive reagent

Serum copper; Colorimetry; Pediatric chemistry (Makino, T. (185) 7)

High-performance liquid chromatography

Pyrimidine nucleoside phosphorylase; Uridine; 5'-Deoxy-5-fluorouridine (Laurense, E.J. (178) 71)

Electrochemical detection; Adenine phosphoribosyltransferase deficiency; 2,8-Dihydroxyadenine lithiasis (Kojima, T. (181) 109)

High performance liquid chromatography

Branched-chain 2-oxo acid; Ketoisocaproate; 2-Hydroxyisocaproate dehydrogenase; Maple syrup urine disease; Enzymatic analysis (Schadewaldt, P. (183) 171)

High-performance liquid chromatography

Hydroxyproline; Urine (Teerlink, T. (183) 309)

High-performance liquid chromatography (HPLC)

Methylmalonic acidemia; Methylmalonyl CoA mutase (Kikuchi, M. (184) 307)

Uremic sera; Middle molecule; Sodium dodecyl sulfate-polyacrylamide gel electrophoresis; Hippuric acid; Phenylacetylglutamine (Kaplan, B. (185) 119)

Hippurates

Uremic toxins; Lactate dehydrogenase; Serum calcium; Uremic neuropathy; Hoffmann reflex (Schoots, A.C. (185) 91)

Hippuric acid

Uremic sera; Middle molecule; High-performance liquid chromatography; Sodium dodecyl sulfate-polyacrylamide gel electrophoresis; Phenylacetylglutamine (Kaplan, B. (185) 119)

Histamine

Drugs; Radioenzyme assay (Harvima, R.J. (180) 231)

Decarboxylation of histidine; Histidinemia (Tanabe, M. (186) 11)

Histidinemia

Histamine; Decarboxylation of histidine (Tanabe, M. (186) 11)

Histomorphometry

Aluminium; Hair; Serum; Bone (Chappuis, P. (179) 271)

HMG-CoA reductase activity

Cholesterol synthesis in man (Carulli, N. (183) 77)

Hoffmann reflex

Uremic toxins; Hippurates; Lactate dehydrogenase; Serum calcium; Uremic neuropathy (Schoots, A.C. (185) 91)

Homogeneous EIA (H-EIA)

Protein C; Horseradish peroxidase (HRP) (Suzuki, K. (184) 227)

Homogenous enzyme immunoassay

Non-isotopic immunoassay; CEDIATM; β -Galactosidase (Khanna, P.L. (185) 231)

Horseradish peroxidase (HRP)

Protein C; Homogeneous EIA (H-EIA) (Suzuki, K. (184) 227)

HPLC

Glutathione; Coulometric electrochemical detector (Harvey, P.R.C. (180) 203)

Carboxyglutamic acid; GLA; Osteocalcin; Bone resorption (Fournier, B. (182) 173)

Sickle cell; Neonatal screening (Shapira, E. (182) 301)

³⁵S-Cystine; Cystinosis; Prenatal diagnosis (Hall, N.A. (184) 1)

4-Hydroxyproline; Urine; Spectrophotometry (Ho, K.-C. (185) 191)

Amino acid; Inborn error; Blood (Ho, J.W. (185) 197)

HPLC assay

Biotinidase; Thermal inactivation (Hayakawa, K. (178) 95)

HPLC-ECO

3,4-Dihydroxyphenylalanine; Plasma DOPA; Cerebrospinal fluid DOPA; 3-O-Methyldopa (Boomsma, F. (178) 59)

H subunit

Lactate dehydrogenase; Lactate dehydrogenase subunit deficiency; M subunit; Laboratory diagnosis; Immunoblotting (Maekawa, M. (185) 297)

Human

Plant lignan; Urine; Metabolism; Gas chromatography-Mass spectrometry (Bannwart, C. (180) 293)

Glutathione S-transferase; Radioimmunoassay; Bile; Bile salts (Howie, A.F. (184) 269)

N-Acetylglucosaminyltransferase III; Cirrhosis; Hepatoma (Ishibashi, K. (185) 323)

Human cerebrospinal fluid

Acetylcholinesterase; Butyrylcholinesterase; Aryl acylamidase; Human serum (Rao, R.V. (183) 135)

Human copper, zinc-superoxide dismutase (Cu, Zn-SOD)

Enzyme-linked immunosorbent assay (ELISA); Monoclonal antibody; Digestive cancer (Oka, S. (182) 209)

Human erythrocyte binding

Unconjugated bilirubin; Kernicterus (Hayer, M. (186) 345)

Human erythrocytes

Lactate dehydrogenase (Hirano, T. (180) 59)

Hyperthyroidism; Acylphosphatase level (Nassi, P. (183) 351)

Human gastric juice

Second antibody solid-phase enzyme immunoassay; Prostaglandin E₂ (Orsini, B. (178) 305)

Human heart

Myocardial ischemia; Xanthine oxidase; Purine catabolites; Adenosine (Smoleński, R.T. (182) 63)

Human hepatoma cell line

Growth factor (Nakamura, H. (183) 273)

Human kidney

Dipeptidyl aminopeptidase IV; Purification (Wolf, G.B. (179) 61)

Tubular damage; Membrane enzymes; Shedding; Tissue-proteinuria (Scherberich, J.E. (185) 271)

Human liver microsomes

Cholesterol acyltransferase; Ischaemia; Acyl-CoA hydrolase; Carboxylesterase (Smith, J.L. (184) 259)

Human lung

Alkaline phosphatase (Hirano, K. (186) 265)

Human malignant ascite

Galactosyltransferase; Isoform; Lectin affinity chromatography (Boyle, F.A. (178) 289)

Human ovary

Placental-like alkaline phosphatase; Monoclonal antibody; Ascites; Ovarian tumor; Gynecological cancer (Koyama, I. (186) 295)

Human pancreatic secretory trypsin inhibitor (PSTI)

Enzyme immunoassay; Monoclonal antibody; Antigenicity of PSTI complexed with trypsin (Kurobe, M. (178) 205)

Human placenta

Creatine kinase BB isoenzyme; Radioimmunoassay; Polyacrylamide gel electrophoresis (Geng, J.-G. (181) 1)

Human plasma

β -D-N-Acetylglucosaminidase isozyme; Automated procedure; Pregnancy (Goi, G. (179) 327)

Human serum

Acetylcholinesterase; Butyrylcholinesterase; Aryl acylamidase; Human cerebrospinal fluid (Rao, R.V. (183) 135)

Albumin interference; Two-dimensional electrophoresis; Immunoaffinity chromatography (Burgess-Cassler, A. (183) 359)

Human serum pancreatic lipase

Monoclonal antibody; Enzyme immunoassay; Immunosorbent enzyme assay (Ohkaru, Y. (182) 295)

Human type IV collagen

Sandwich immunoassay; Monoclonal antibody (Obata, K.-i. (181) 293)

Human ventricular myosin light chain 1

Myocardial infarction (Wang, J. (181) 325)

Hunter syndrome

Lymphoblastoid cell (Morabito, E. (181) 125)

Hyaluronic acid

Rheumatoid arthritis; Binding protein assay; Hyaluronic acid binding protein (Chichibu, K. (181) 317)

Hyaluronic acid binding protein

Hyaluronic acid; Rheumatoid arthritis; Binding protein assay (Chichibu, K. (181) 317)

Hydrogen peroxide

Porphyrin; Photosensitizer; Light; Singlet oxygen (Menon, I.A. (186) 375)

Hydrophobicity

Heterogeneity; Placental-like alkaline phosphatase; Seminoma; Glycosylation; Charge (Koshida, K. (186) 255)

Hydroxycholesterol

Lipid; Lipoprotein; Serum; Hypercholesterolemia; Bile acid sequestrant therapy (Van Doormaal, J.J. (181) 273)

2-Hydroxyisocaproate dehydrogenase

Branched-chain 2-oxo acid; Ketoisocaproate; Maple syrup urine disease; Enzymatic analysis; High performance liquid chromatography (Schadewaldt, P. (183) 171)

3-Hydroxy-3-methylglutaryl-CoA lyase

3-Methylglutaconyl-CoA hydratase; 3-Methylcrotonyl-CoA carboxylase; Coupled enzyme assay (Narisawa, K. (184) 57)

Hydroxyproline

Urine; High-performance liquid chromatography (Teerlink, T. (183) 309)

4-Hydroxyproline

Urine; HPLC; Spectrophotometry (Ho, K.-C. (185) 191)

5-Hydroxypyrazinamide

Pyrazinamide; Allopurinol; Oxypurinol; Xanthine oxidase; Xanthinuria (Yamamoto, T. (180) 169)

Hyperammonemia

Ornithine carbamoyltransferase; K_m variant (Rabier, D. (186) 25)

Hypercholesterolemia

Hydroxycholesterol; Lipid; Lipoprotein; Serum; Bile acid sequestrant therapy (Van Doormaal, J.J. (181) 273)

Hyperlipidemia

Hypocholesterolemic; Animal models; 7-Acyl-1,4-benzoxazinone (Moussavi, Z. (180) 35)

Hyperoxaluria

Oxalate; Amniotic fluid; Ion-chromatography (Wandzilak, T.R. (185) 131)

Hypertension

Metabolism; Androstenedione; Placenta; Aromatization; Radiometric analysis (Hähnel, M.E. (181) 103)

Diabetes; Sodium influx; Sodium-Potassium pump; Furosemide; Erythrocyte (Chimori, K. (183) 263)

Hyperthyroidism

Human erythrocytes; Acylphosphatase level (Nassi, P. (183) 351)

Hypoalbuminemia

Fructosamine; Bilirubin; Renal failure (Dominiczak, M.H. (182) 123)

Hypocholesterolemic

Hyperlipidemia; Animal models; 7-Acyl-1,4-benzoxazinone (Moussavi, Z. (180) 35)

Hypoglycemia

Glycated hemoglobin; Minor hemoglobin component (Niketic, V. (180) 121)

Hypolactasia

Endoscopic biopsy; Crosby capsule; Disaccharidases (Smith, J.A. (183) 317)

Hypoxanthine

Xanthinuria; Xanthine oxidase; Xanthine; Exercise (Landaas, S. (181) 119)

I

IgA isotyping

Antigliadin antibodies; Coeliac disease; ELISA; Screening (Elewaut, A. (183) 285)

IgG

Circulating immune complexes; Aggregation (Levinson, S.S. (182) 21)

IgG-index

CSF-IgM; IgM-index; Neurovenereological disease (Van Kamp, G.J. (183) 295)

IgM-index

CSF-IgM; IgG-index; Neurovenereological disease (Van Kamp, G.J. (183) 295)

Immobilized enzyme

Bioluminescent assay; Adenosine deaminase activity; Bacterial luciferase; Photon counting; Continuous-flow system (Oda, K. (185) 17)

Immune complexes

Polyethylene glycol; Fibronectin; Arthritis; Synovial fluid (Griffiths, A.M. (184) 133)

Immunoaffinity chromatography

Human serum; Albumin interference; Two-dimensional electrophoresis (Burgess-Cassler, A. (183) 359)

Bilirubin; Monoclonal antibody (Izumi, Y. (184) 99)

Immunoassay

Parathyroid hormone; Chemiluminescence; Primary hyperparathyroidism (St John, A. (178) 215)

Albuminuria; Proteinuria; Diabetic nephropathy (Neuman, R.G. (179) 229)

Aldolase; Isozyme; Tissue-distribution (Haimoto, H. (181) 27)

Trypsin; Trypsinogen; Pancreatitis; Protease inhibitor; Uremia (Kimland, M. (184) 31)

Urinary albumin; Chemiluminescence; Acridinium ester; Particle, paramagnetic (Horton, J.K. (186) 45)

Gonadotrophin; Pituitary; Blood analysis; Quality control; Monoclonal antibody; Test interference (Seth, J. (186) 67)

Immunoblot

Urinary antithrombin III related antigen; Bioimmunoassay; Liver cirrhosis (Ueshima, S. (180) 79)

Immunoblotting

alpha₂-Macroglobulin; Immunoglobulin; Lysozyme (Mörsky, P. (178) 327)

Lactate dehydrogenase; Lactate dehydrogenase subunit deficiency; H subunit; M subunit; Laboratory diagnosis (Maekawa, M. (185) 297)

Immunocytochemistry Immunoassay

Site-directed mutagenesis; Sequence homology; Expression; Structure-function (Narisawa, S. (186) 189)

Immunoelectrophoresis

Factor XIII; Factor XIII deficiency (Kröll, J. (179) 279)

Immunofluorometric assay

Placental protein 14; Endometrial protein; Follicular fluid (Riittinen, L. (183) 115)

Immunoglobulin

alpha₂-Macroglobulin; Immunoblotting; Lysozyme (Mörsky, P. (178) 327)

Immunoglobulin degradation

Molecular mechanisms; Pathogenesis; Bacterial protease; Vascular permeability; Cytotoxicity; Secondary infection (Maeda, H. (185) 355)

Immunochemical assay

C-reactive protein (Shapiro, D. (180) 285)

Immunopurification

Dynospheres[®]; Carbonyldiimidazole; Tosyl chloride; Solid-phase antibody (McConway, M.G. (179) 265)

Immunoquantitation

Apolipoprotein A-I; ELISA; HDL; Monoclonal antibody (Bojanovski, M. (178) 159)

Immunosorbent enzyme assay

Human serum pancreatic lipase; Monoclonal antibody; Enzyme immunoassay (Ohkaru, Y. (182) 295)

Immunoturbidimetry

Non-enzymatic glycosylation or glycation; Apolipoprotein B; Affinity chromatography; Diabetes; Atherosclerosis (Kortlandt, W. (186) 109)

Impaired glucose tolerance

Insulin; Glucagon; Liver cirrhosis (Antoniello, S. (183) 343)

Inborn error

HPLC; Amino acid; Blood (Ho, J.W. (185) 197)

Inborn errors of metabolism

Enzyme; Isoenzyme; Mitochondria; Diagnosis (Schmidt, F.W. (185) 253)

Inductively coupled mass spectrometry

Electrothermal vaporization; Tellurium; Biological fluid (Newman, R.A. (179) 191)

Infantile visceral Leishmaniasis

Apolipoprotein A-I; Apolipoprotein A-II; Apolipoprotein B; Plasma lipoprotein; Gel permeation chromatography; Two-dimensional immunoelectrophoresis (Bekaert, E.D. (184) 181)

Inflammation

Phospholipase A; Pancreatitis; Septicemia; Myocardial infarction; Cancer (Hoffmann, G.E. (183) 59)

α -Acid glycoprotein; Rat; Con A affinity; Crossed affino immunoelectrophoresis; Biantennary glycan content (Pos, O. (184) 121)

Inflammatory nervous system disorders

ELISA; Free immunoglobulin kappa light chains; Cerebrospinal fluid; Multiple sclerosis (Lolli, F. (182) 229)

Inherited hyperphosphatasemia

Heat stable alkaline phosphatase (Onica, D. (180) 23)

Inhibition

Erythrocyte glutathione reductase; Ariboflavinosis; Mitomycin-C; FAD (Okuda, J. (181) 37)

Inhibition ELISA

Modified nucleoside; Pseudouridine; Anti-pseudouridine monoclonal antibody; Urine, from cancer patients (Itoh, K. (181) 305)

Inhibitor

Calcium; Oxalate; Glycosaminoglycan; Pentosan polysulphate (Fellström, B. (180) 213)

Inositolphospholipid

Oncogene; Transformation (Takenawa, T. (185) 307)

Insulin

Glucagon; Liver cirrhosis; Impaired glucose tolerance (Antoniello, S. (183) 343)

Insulin-dependent diabetes

Adenine incorporation rate; Mononuclear cells; Phagocytic cells; Glucose tolerance; Risk persons (Schäfer, J.H. (183) 333)

Insulin receptor

Linoleic acid; Arachidonic acid (Pelikánová, T. (179) 197)

int-2

Breast cancer; Proto-oncogenes; *c-erbB-2*; *c-myc*; Lymph node; Estrogen receptor; Progesterone receptor (Machotka, S.V. (184) 207)

Interleukin-1

Anti-inflammatory; Fibroblasts; PGE_2 ; Assay automation (Maloff, B.L. (180) 73)

Intestinal

Liver/bone/kidney; Placental; Placental-like; Polymorphism; DNA; Malignancy (Harris, H. (186) 133)

Intestinal alkaline phosphatase

Alkaline phosphatase (Alpers, D.H. (186) 211)

Amniotic fluid; Fetal enzyme assay; Alkaline phosphatase heterogeneity (Verpooten, G.F. (186) 225)

Intestinal lymph

Alkaline phosphatase; Lipid absorption (Miura, S. (186) 239)

Intestinal permeability

Mannitol; Automated enzyme assay (Lunn, P.G. (183) 163)

Intestine

Ischemia; Creatine kinase; Lactate dehydrogenase; Rats (Roth, M. (183) 65)

Intraindividual variation

SADA; Sex; Age; Pregnancy (Åvall-Lundqvist, E. (185) 35)

Intravascular lipolysis

Lipase; Lipoprotein lipase; Hepatic lipase; Reye's syndrome (Kang, E.S. (184) 107)

Intrinsic factor

Amniotic fluid; Cobalamin; Haptocorrin; Transcobalamin (Guéant, J.L. (181) 151)

Ion chromatography

Oxalate; Phosphate; Sulphate (Politi, L. (184) 155)

Ion-chromatography

Oxalate; Amniotic fluid; Hyperoxaluria (Wandzilak, T.R. (185) 131)

Ion-exchange chromatography with fluorimetric detection

Amino acids; Reference values; Cerebrospinal fluid; Childhood (Gerrits, G.P. (182) 271)

Ion-pairing

Nicotinamide *N*-methyltransferase; Methyl conjugation; Pyridinium ion; Liver enzyme (Rini, J. (186) 359)

Iron deficiency

Zinc protoporphyrin; Protoporphyrin IX; Lead poisoning (Orfanos, A.P. (181) 213)

Ischaemia

Cholesterol acyltransferase; Human liver microsomes; Acyl-CoA hydrolase; Carboxylesterase (Smith, J.L. (184) 259)

Ischemia

Intestine; Creatine kinase; Lactate dehydrogenase; Rats (Roth, M. (183) 65)

AST-isozyme; Mitochondrial AST; Bleb (Kamii-ke, W. (185) 265)

Ischemic stroke

Acetylsalicylic acid; Thromboxane B₂ (Lee, T.-K. (184) 323)

Isoelectric focusing

alpha-1-Antitrypsin; Penicillamine; Sulphydryl group (Whitehouse, D.B. (179) 109)

Isoenzyme

Acid Phosphatase, prostatic-type; Charge isof orm; Glycoprotein (Morris, M.F. (182) 9)

alpha-Amylase; Pancreas; Monoclonal antibody; Synergistic inhibition (Rauscher, E. (183) 41)

Monoclonal antibody; Enzyme (Rosalki, S.B. (183) 45)

Cholestasis; Liver cirrhosis; Enzyme immunoassay; beta-Hexosaminidase; Monoclonal antibodies; Pregnancy; Serum (Isaksson, A. (183) 155)

Enzyme; Mitochondria; Inborn errors of metabolism; Diagnosis (Schmidt, F.W. (185) 253)

Isoferritin

ELISA immunoassay; Serum ferritin; Tumor marker (Cozzi, A. (184) 197)

Isoform

Galactosyltransferase; Lectin affinity chromatography; Human malignant ascite (Boyle, F.A. (178) 289)

Isotope dilution

Tyrosinemia; Succinylacetone; ¹⁵N-labelled internal standard; Electron impact mass spectrometry (Schierbeek, H. (184) 243)

Isotope, nonradioactive

Chromium-51; Erythrocyte life span (Dever, M. (181) 337)

Isozyme

Aminopeptidase; Liver disease; Alcoholism; Drug effects; Enzyme release (Sanderink, G.-J. (179) 23)

Aldolase; Immunoassay; Tissue-distribution (Haimoto, H. (181) 27)

K

Kasahara isoenzyme

Alkaline phosphatase; FL-amnion cell; Hepatoma; cDNA cloning (Higashino, K. (186) 151)

Kernicterus

Unconjugated bilirubin; Human erythrocyte binding (Hayer, M. (186) 345)

Ketoisocaproate

Branched-chain 2-oxo acid; 2-Hydroxyisocaproate dehydrogenase; Maple syrup urine disease; Enzymatic analysis; High performance liquid chromatography (Schadewaldt, P. (183) 171)

Ketone bodies

Glucose; Acetate; Fatty acid, Non-esterified; Diabetes mellitus (Akanji, A.O. (178) 85)

Ketosis

Oximation; Acetoacetic acid; Organic acid; Gas chromatography-mass spectrometry; Urine analysis (Mills, G.A. (184) 93)

Kidney

γ -Glutamyl transpeptidase; Sugar-chain heterogeneity; Serial lectin affinity chromatography; Reproductive system (Arai, K. (184) 75)

K_m variant

Ornithine carbamoyltransferase; Hyperammonemia (Rabier, D. (186) 25)

L

Laboratory diagnosis

Lactate dehydrogenase; Lactate dehydrogenase subunit deficiency; H subunit; M subunit; Immunoblotting (Maekawa, M. (185) 297)

Lactate dehydrogenase

Human erythrocytes (Hirano, T. (180) 59)

Intestine; Ischemia; Creatine kinase; Rats (Roth, M. (183) 65)

Uremic toxins; Hippurates; Serum calcium; Uremic neuropathy; Hoffmann reflex (Schoots, A.C. (185) 91)

Lactate dehydrogenase subunit deficiency; H subunit; M subunit; Laboratory diagnosis; Immunoblotting (Maekawa, M. (185) 297)

Lactate dehydrogenase subunit deficiency

Lactate dehydrogenase; H subunit; M subunit; Laboratory diagnosis; Immunoblotting (Maekawa, M. (185) 297)

Lactoferrin

Cystic fibrosis protein; Serum; Plasma; Granulocyte (Barthe, C. (181) 183)

Laser nephelometry

Fibronectin; Plasma; Breast cancer (Ruelland, A. (178) 283)

Latent collagenase

Trypsin activation; Collagenase inhibitor; Rheumatoid arthritis; Synovial fluid (Tagawa, M. (186) 119)

Lathosterol

Squalene; Desmosterol; Campesterol; Sitosterol; Plant sterol (Gylling, H. (178) 41)

Lead poisoning

Zinc protoporphyrin; Protoporphyrin IX; Iron deficiency (Orfanos, A.P. (181) 213)

Lectin

Blood serum; Haptoglobin; ELISA (Thompson, S. (180) 277)

Lectin affinity

Alkaline phosphatase; Electrophoresis; Monoclonal antibody; Neuraminidase treatment; PI-anchor (Miura, M. (180) 177)

Lectin affinity chromatography

Galactosyltransferase; Isoform; Human malignant ascite (Boyle, F.A. (178) 289)

Lectin affinity chromatography (Human placentas)

Alkaline phosphatase; Allelic form; Sugar chain (Sato, M. (178) 101)

Leishmaniasis

Antimony; Hair; Therapy; Neutron activation analysis (Jose, (179) 341)

L-Leucine inhibition (Human term placenta and the lung with cancerous pleuritis)

Alkaline phosphatase (AP); Placental-like AP; Sugar moiety; Metastatic potential (Komoda, T. (186) 203)

Leukemia

Glycosylation; Glycosyltransferase; Monocyte; Monoblast (Francina, A. (183) 301)

Leukocytes prolidase

Prolidase deficiency (Kodama, H. (180) 65)

LH

FSH; ELISA; Penicillinase; Urinary gonadotropins (Desai, M. (184) 315)

Light

Porphyrin; Photosensitizer; Hydrogen peroxide; Singlet oxygen (Menon, I.A. (186) 375)

Linoleic acid

Insulin receptor; Arachidonic acid (Pelikánová, T. (179) 197)

Linoleic acid isomer

Free radicals; Cystic fibrosis (Salh, B. (181) 65)

Lipase

Pancreatitis; Amylase; Amylase isoenzyme; Macroamylase; Diagnostic criteria; Pancreatic pseudocyst (Lott, J.A. (183) 33)

Lipoprotein lipase; Hepatic lipase; Reye's syndrome; Intravascular lipolysis (Kang, E.S. (184) 107)

Lipid

Hydroxycholesterol; Lipoprotein; Serum; Hypercholesterolemia; Bile acid sequestrant therapy (Van Doormaal, J.J. (181) 273)

Cation; Transport; Fatty acid; Psoriasis; Membrane; Erythrocyte (Corrocher, R. (186) 335)

Lipid absorption

Alkaline phosphatase; Intestinal lymph (Miura, S. (186) 239)

Lipid extraction

Free fatty acids; Gas-liquid chromatography; Thin layer chromatography; Plasma (Tichelaar, H.Y. (183) 207)

Lipid peroxidation

Chronic renal failure; Vitamin E (Yalçin, A.S. (185) 109)

Lipid peroxidation comparison

Red blood cell; Antioxidant enzyme; Pretreatment with Oradexone and Ambroxol (Novák, Z. (182) 241)

Lipoprotein

Apolipoprotein; Coronary disease; Coronary risk; Low density lipoprotein; High density lipoprotein; Apolipoprotein measurement; Apolipoprotein standardization (Bachorik, P.S. (178) 1)

Formyl-cellulose; Affinity chromatography; Apolipoprotein; Apo A-I-containing lipoprotein (Ohta, T. (179) 183)

Cortisol; Androstenedione; Adrenal cortex; Triglyceride; Cholesterol (Nankee, M.N. (180) 113)

Hydroxycholesterol; Lipid; Serum; Hypercholesterolemia; Bile acid sequestrant therapy (Van Doormaal, J.J. (181) 273)

Fibronectin; Radioimmunoassay; Atherosclerosis (Cseh, K. (182) 75)

Serum amyloid A; Myocardial infarction; Acute phase response (Bausserman, L.L. (184) 297)

Lipoprotein electrophoresis

Lp(a) lipoprotein; Myocardial infarction; Cerebral infarction (Kawakami, K. (185) 147)

Lipoprotein lipase

Lipase; Hepatic lipase; Reye's syndrome; Intravascular lipolysis (Kang, E.S. (184) 107)

Liver

Selenium; Cirrhosis; Fibrosis; Procollagen; Fibronectin (Casaril, M. (182) 221)

Liver/bone/kidney

Placental; Intestinal; Placental-like; Polymorphism; DNA; Malignancy (Harris, H. (186) 133)

Liver cirrhosis

Urinary antithrombin III related antigen; Immunoblot; Bioimmunoassay (Ueshima, S. (180) 79)

Cholestasis; Enzyme immunoassay; β -Hexosaminidase; Isoenzyme; Monoclonal antibodies; Pregnancy; Serum (Isakson, A. (183) 155)

Insulin; Glucagon; Impaired glucose tolerance (Antonello, S. (183) 343)

Liver disease

Amino-peptidase; Isozyme; Alcoholism; Drug effects; Enzyme release (Sanderink, G.-J. (179) 23)

Antibody-lectin enzyme immunoassay; α -Fetoprotein; Sugar chain (Kinoshita, N. (179) 143)

F protein; Diagnostic test (Foster, G.R. (184) 85)

alpha 1-Acid glycoprotein; Microheterogeneity; Carbohydrate; Fucose (Biou, D. (186) 59)

Serum biotinidase activity; Serum albumin; Hepatic function; Serum enzyme (Grier, R.E. (186) 397)

Liver drug-metabolizing enzyme function

Enzyme multiplied immunoassay test (EMIT); Caffeine (Varagnolo, M. (183) 91)

Liver enzyme

Nicotinamide *N*-methyltransferase; Methyl conjugation; Pyridinium ion; Ion-pairing (Rini, J. (186) 359)

Liver fibrosis

Procollagen III peptide; Fibronectin; Alcohol liver disease (Gabrielli, G.B. (179) 315)

Low density lipoprotein

Apolipoprotein; Coronary disease; Coronary risk; Lipoprotein; High density lipoprotein; Apolipoprotein measurement; Apolipoprotein standardization (Bachorik, P.S. (178) 1)

Cholesterol; Diabetes mellitus (insulin-dependent) (Winocour, P.H. (179) 79)

Lp(a) lipoprotein

Lipoprotein electrophoresis; Myocardial infarction; Cerebral infarction (Kawakami, K. (185) 147)

Lymph node

Breast cancer; Proto-oncogenes; *int-2*; *c-erbB-2*; *c-myc*; Estrogen receptor; Progesterone receptor (Machotka, S.V. (184) 207)

Lymphoblastoid cell

Hunter syndrome (Morabito, E. (181) 125)

Lysosomal

Cystic fibrosis; alpha-Glucosidase; Fibroblast (Vladutiu, G.D. (178) 337)

Lysosome

Phospholipids storage; Catabolism (Bargal, R. (181) 167)

Deoxynojirimycin; Diabetes; alpha-Glucosidase; Processing; Glycogenosis (Wisselaar, H.A. (182) 41)

Lysosphingolipid

Protein kinase C; Sphingosine (Hannun, Y.A. (185) 331)

Lysozyme

alpha₂-Macroglobulin; Immunoblotting; Immunoglobulin (Mörsky, P. (178) 327)

M

Macroamylase

Pancreatitis; Amylase; Lipase; Amylase isoenzyme; Diagnostic criteria; Pancreatic pseudocyst (Lott, J.A. (183) 33)

α_2 -Macroglobulin

Asthma; Elastase; Chronic obstructive pulmonary disease (Kilroe-Smith, T.A. (185) 81)

alpha₂-Macroglobulin

Immunoblotting; Immunoglobulin; Lysozyme (Mörsky, P. (178) 327)

Malignancy

Liver/bone/kidney; Placental; Intestinal; Placental-like; Polymorphism; DNA (Harris, H. (186) 133)

Malignant breast disease

Ca antigen (Searle, F. (186) 351)

Malondialdehyde

Psoriasis; Oil; Fatty acid; Glutathione-peroxidase; Bleeding; Membrane; Erythrocyte; Platelet (Corrocher, R. (179) 121)

Man

Pharmacokinetics; Butyrate; Experimental animal (Daniel, P. (181) 255)

Mannitol

Intestinal permeability; Automated enzyme assay (Lunn, P.G. (183) 163)

Maple syrup urine disease

Branched-chain 2-oxo acid; Ketoisocaproate; 2-Hydroxyisocaproate dehydrogenase; Enzymatic analysis; High performance liquid chromatography (Schadewaldt, P. (183) 171)

Maple syrup urine disease — analysis of: Skin fibroblast culture

Branched-chain L-amino acid; Branched-chain 2-oxo acid (Schadewaldt, P. (184) 47)

Mass spectrometry

2,3-Butanediol; Acetoin; Capillary gas chromatography; Gut bacteria; Premature baby (Mills, G.A. (179) 51)

Quantitation; Gas chromatography; Vitamin D₂ metabolites; Plasma (Coldwell, R.D. (180) 157)

MaxEPA

Triglyceride; Fish lipid concentrate (Miller, J.P. (178) 251)

Meconium aspiration

Coproporphyrin; Hemoglobin; Second derivative; Differential spectrophotometry (Ficheux, H. (182) 53)

Medullasin

Enzyme immunoassay; Multiple sclerosis; Behçet's disease (Aoki, Y. (178) 193)

Membrane

Psoriasis; Oil; Fatty acid; Malondialdehyde; Glutathione-peroxidase; Bleeding; Erythrocyte; Platelet (Corrocher, R. (179) 121)

Cation; Transport; Fatty acid; Lipid; Psoriasis; Erythrocyte (Corrocher, R. (186) 335)

Membrane enzymes

Human kidney; Tubular damage; Shedding; Tissue-proteinuria (Scherberich, J.E. (185) 271)

Membrane lipid

Erythrocyte; Hemolytic resistance; Hemodialysis (Peuchant, E. (178) 271)

Meningitis

CSF-albumin; Reference values; Multiple sclerosis; Children (Öhman, S. (181) 265)

Metabolism

Plant lignan; Urine; Human; Gas chromatography-Mass spectrometry (Bannwart, C. (180) 293)

Androstenedione; Placenta; Aromatization; Hypertension; Radiometric analysis (Hähnel, M.E. (181) 103)

Metastatic potential

Alkaline phosphatase (AP); Placental-like AP; Sugar moiety; L-Leucine inhibition (Human term placenta and the lung with cancerous pleuritis) (Komoda, T. (186) 203)

Methemoglobin

Erythrocyte; Hemolysate; Transketolase; Artefacts; Monooxygenase (Grudzinski, A. (180) 265)

Erythrocyte diaphorase; NADH₂; Ferricyanide; Cytochrome b₅; Reductase (Papandreou, P. (181) 189)

Method comparison

P-amylase immunoassay; Acute pancreatitis; Diagnostic characteristic (Sacchetti, L. (183) 95)

3-Methoxy-4-hydroxyphenylglycol

MHPG; Plasma; Gas chromatography (Piletz, J.E. (185) 165)

Methyl conjugation

Nicotinamide *N*-methyltransferase; Pyridinium ion; Ion-pairing; Liver enzyme (Rini, J. (186) 359)

3-Methylcrotonyl-CoA carboxylase

3-Methylglutaconyl-CoA hydratase; 3-Hydroxy-3-methylglutaryl-CoA lyase; Coupled enzyme assay (Narisawa, K. (184) 57)

3-O-Methyldopa

3,4-Dihydroxyphenylalanine; Plasma DOPA; Cerebrospinal fluid DOPA; HPLC-ECO (Boomsma, F. (178) 59)

3-Methylglutaconyl-CoA hydratase

3-Methylcrotonyl-CoA carboxylase; 3-Hydroxy-3-methylglutaryl-CoA lyase; Coupled enzyme assay (Narisawa, K. (184) 57)

***N*-Methylhydantoin amidohydrolase**

Creatinine analysis; Enzymatic analysis; Creatinine deiminase; *N*-Carbamoylsarcosine amidohydrolase (Shimizu, S. (185) 241)

Methylmalonic acidemia

Methylmalonyl CoA mutase; High-performance liquid chromatography (HPLC) (Kikuchi, M. (184) 307)

Methylmalonyl CoA mutase

Methylmalonic acidemia; High-performance liquid chromatography (HPLC) (Kikuchi, M. (184) 307)

2-Methyl-6[*p*-methoxyphenyl][3,7-dihydroimidazo[1,2-*a*]pyrazin-3-one

Chemiluminescence; Activated granulocyte; Activated monocyte; Superoxide anion (Nishida, A. (179) 177)

5-Methyltetrahydrofolic acid

Folic acid; 5-Formyltetrahydrofolic acid (Leeming, R.J. (180) 241)

Methyltransferase

Betaine; Nuclear magnetic resonance; Choline; Pediatrics (Davies, S.E.C. (178) 241)

MHC

Blood; Bone-marrow; Class II; Transplantation (Thompson, S. (185) 45)

MHPG

3-Methoxy-4-hydroxyphenylglycol; Plasma; Gas chromatography (Piletz, J.E. (185) 165)

Microalbuminuria

One-step sandwich enzyme immunoassay; Monoclonal antibody; Diabetes mellitus (Niwa, T. (186) 391)

Microbial polyamine synthesis

Polyamine; Gastrointestinal tract decontamination; Urinary tract infection (Satink, H.P.W.M. (179) 305)

 α_1 -Microglobulin

β_2 -Microglobulin; Retinol binding protein; Tubular protein (Donaldson, M.D.C. (179) 73)

 β_2 -Microglobulin

α_1 -Microglobulin; Retinol binding protein; Tubular protein (Donaldson, M.D.C. (179) 73)

Microheterogeneity

α_1 -Acid glycoprotein; CAPD; Renal failure (Fraeyman, N.H. (181) 47)

α 1-Acid glycoprotein; Liver disease; Carbohydrate; Fucose (Biou, D. (186) 59)

Middle molecule

Uremic sera; High-performance liquid chromatography; Sodium dodecyl sulfate-polyacrylamide gel electrophoresis; Hippuric acid; Phenylacetylglutamine (Kaplan, B. (185) 119)

Minor hemoglobin component

Glycated hemoglobin; Hypoglycemia (Niketic, V. (180) 121)

Mitochondria

Enzyme; Isoenzyme; Inborn errors of metabolism; Diagnosis (Schmidt, F.W. (185) 253)

Mitochondrial AST

Ischemia; AST-isozyme; Bleb (Kamiike, W. (185) 265)

Mitomycin-C

Inhibition; Erythrocyte glutathione reductase; Ariboflavinosis; FAD (Okuda, J. (181) 37)

Modified nucleoside

Pseudouridine; Hepatocellular carcinoma; Tumor marker (Amuro, Y. (178) 151)

Pseudouridine; Anti-pseudouridine monoclonal antibody; Inhibition ELISA; Urine, from cancer patients (Itoh, K. (181) 305)

Molecular mechanisms

Pathogenesis; Bacterial protease; Vascular permeability; Immunoglobulin degradation; Cytotoxicity; Secondary infection (Maeda, H. (185) 355)

Monoblast

Glycosylation; Glycosyltransferase; Monocyte; Leukemia (Francina, A. (183) 301)

Monoclonal antibodies

Cholestasis; Liver cirrhosis; Enzyme immunoassay; β -Hexosaminidase; Isoenzyme; Pregnancy; Serum (Isaksson, A. (183) 155)

Monoclonal antibody

Apolipoprotein A-I; ELISA; Immunoquantitation; HDL (Bojanovski, M. (178) 159)

Human pancreatic secretory trypsin inhibitor (PSTI); Enzyme immunoassay; Antigenicity of PSTI complexed with trypsin (Kurobe, M. (178) 205)

Apo A-I, rabbit and human; Enzyme-linked immunosorbent assay, ELISA (Leroy, A. (179) 85)

Alkaline phosphatase; Electrophoresis; Lectin affinity; Neuraminidase treatment; PI-anchor (Miura, M. (180) 177)

Sandwich immunoassay; Human type IV collagen (Obata, K.-i. (181) 293)

Enzyme-linked immunosorbent assay (ELISA); Human copper, zinc-superoxide dismutase (Cu, Zn-SOD); Digestive cancer (Oka, S. (182) 209)

Human serum pancreatic lipase; Enzyme immunoassay; Immunosorbent enzyme assay (Ohkaru, Y. (182) 295)

α -Amylase; Pancreas; Isoenzyme; Synergistic inhibition (Rauscher, E. (183) 41)

Enzyme; Isoenzyme (Rosalki, S.B. (183) 45)

Platelet-derived growth factor; Radioimmunoassay (RIA) (Shiraishi, T. (184) 65)

Bilirubin; Immunoaffinity chromatography (Izumi, Y. (184) 99)

Glycated albumin; ELISA; Diabetes; Glycemic control (Hud, E. (185) 157)

Gonadotrophin; Pituitary; Blood analysis; Immunoassay; Quality control; Test interference (Seth, J. (186) 67)

Placental-like alkaline phosphatase; Human ovary; Ascites; Ovarian tumor; Gynecological cancer (Koyama, I. (186) 295)

Alkaline phosphatase; Enzyme immunoassay; Radioimmunoassay (Hill, C.S. (186) 315)

Microalbuminuria; One-step sandwich enzyme immunoassay; Diabetes mellitus (Niwa, T. (186) 391)

Monoclonal gammopathy

B lymphocyte; M-protein (Osterland, C.K. (180) 1)

Monocyte

Glycosylation; Glycosyltransferase; Leukemia; Monoblast (Francina, A. (183) 301)

Monocytes

Glucocorticoid and insulin receptors; Type 1 diabetes mellitus (Damm, P. (184) 167)

Monomer activity

Cholesterol; Nucleation time; Bile cholesterol gallstone (Chijiwa, K. (178) 181)

Mononuclear cells

Adenine incorporation rate; Phagocytic cells; Glucose tolerance; Insulin-dependent diabetes; Risk persons (Schäfer, J.H. (183) 333)

Monoxygenase

Erythrocyte; Hemolysate; Transketolase; Artefacts; Methemoglobin (Grudzinski, A. (180) 265)

Morphine

Enzyme immunoassay; Drugs of abuse; Urine narcotic analysis (Laurie, D. (183) 183)

M-protein

Monoclonal gammopathy; B lymphocyte (Osterland, C.K. (180) 1)

M subunit

Lactate dehydrogenase; Lactate dehydrogenase subunit deficiency; H subunit; Laboratory diagnosis; Immunoblotting (Maekawa, M. (185) 297)

Mucin

Glycoprotein; Tumor-associated antigen (Imokawa, M. (180) 45)

Multiple sclerosis

Medullasin; Enzyme immunoassay; Behçet's disease (Aoki, Y. (178) 193)

CSF-albumin; Reference values; Children; Meningitis (Öhman, S. (181) 265)

ELISA; Free immunoglobulin kappa light chains; Cerebrospinal fluid; Inflammatory nervous system disorders (Lolli, F. (182) 229)

Multivariate analysis

Secretin pancreozymin test; Percentile estimate; Receiver-operator curve; Predictive value (Hunt, L.P. (186) 91)

Myeloproliferative syndrome

Red cell; Hemolytic anemia; Sickle cell disease; Phosphatidylinositol kinase; Phosphatidylinositol cycle (Boivin, P. (182) 165)

Myocardial infarction

Human ventricular myosin light chain 1 (Wang, J. (181) 325)

Phospholipase A; Pancreatitis; Inflammation; Septicemia; Cancer (Hoffmann, G.E. (183) 59)

Arylesterase (Secchiero, S. (183) 71)

Serum amyloid A; Acute phase response; Lipoprotein (Bausserman, L.L. (184) 297)

Lp(a) lipoprotein; Lipoprotein electrophoresis; Cerebral infarction (Kawakami, K. (185) 147)

Myocardial ischemia

Human heart; Xanthine oxidase; Purine catabolites; Adenosine (Smolewski, R.T. (182) 63)

N

N-acetyl- β -Glucosaminidase

Serum fructosamine; Albuminuria; Diabetic pregnancy (Škrha, J. (182) 281)

NADH₂

Erythrocyte diaphorase; Ferricyanide; Cytochrome *b₅*; Methemoglobin; Reductase (Papandreou, P. (181) 189)

NAG

Urinary lysosomal enzyme; Brush border enzyme; Renovascular surgery; AAP; GGT; β -Glucuronidase (Holmes, R.P. (186) 1)

Natural killer cell

Neutrophil; Seminal fluid; Acid phosphatase (Mukhopadhyay, N.K. (182) 31)

NEFA

Unbound fraction; Serum (Lim, C.-F. (186) 31)

Neonatal screening

Sickle cell; HPLC (Shapira, E. (182) 301)

Neoplastic disease

CK-BB; Tumor marker (Arenas, J. (182) 183)

Neural differentiation

Neuron specific enolase; Neuroendocrine and paraneuronal cell; Tumor marker; Neuroblastoma; Small cell lung carcinoma; Seminoma (Kaiser, E. (183) 13)

Neuraminidase treatment

Alkaline phosphatase; Electrophoresis; Lectin affinity; Monoclonal antibody; PI-anchor (Mura, M. (180) 177)

Neuroblastoma

Neuron specific enolase; Neuroendocrine and paraneuronal cell; Neural differentiation; Tumor marker; Small cell lung carcinoma; Seminoma (Kaiser, E. (183) 13)

Neuroendocrine and paraneuronal cell

Neuron specific enolase; Neural differentiation; Tumor marker; Neuroblastoma; Small cell lung carcinoma; Seminoma (Kaiser, E. (183) 13)

Neuron specific enolase

gamma-gamma Enolase; Bioluminescence; Cerebrospinal fluid (Wevers, R.A. (178) 141)

Neuroendocrine and paraneuronal cell; Neural differentiation; Tumor marker; Neuroblastoma; Small cell lung carcinoma; Seminoma (Kaiser, E. (183) 13)

Neuropeptide Y (NPY)

Radioimmunoassay; Chronic renal failure; Uremia; Pheochromocytoma (Stridsberg, M. (185) 61)

Neurotransmitter

Tetrahydrobiopterin; Streptozotocin; Dihydropyridine reductase (Hamon, C.G. (181) 249)

Neurovenereological disease

CSF-IgM; IgM-index; IgG-index (Van Kamp, G.J. (183) 295)

Neutron activation analysis

Antimony; Leishmaniasis; Hair; Therapy (Jose, (179) 341)

Neutrophil

Natural killer cell; Seminal fluid; Acid phosphatase (Mukhopadhyay, N.K. (182) 31)

Nicotinamide N-methyltransferase

Methyl conjugation; Pyridinium ion; Ion-pairing; Liver enzyme (Rini, J. (186) 359)

¹⁵N-labelled internal standard

Tyrosinemia; Succinylacetone; Isotope dilution; Electron impact mass spectrometry (Schierbeek, H. (184) 243)

NMR relaxation

Amyotrophic lateral sclerosis; Erythrocyte membrane; Water exchange (Monti, J.P. (185) 53)

Non-enzymatic glycosylation or glycation

Apolipoprotein B; Affinity chromatography; Immunoturbidimetry; Diabetes; Atherosclerosis (Kortlandt, W. (186) 109)

Non-esterified fatty acids

Diabetes mellitus; Glucose; Acetate (Akanji, A.O. (185) 25)

Non-isotopic immunoassay

CEDIATM; Homogenous enzyme immunoassay; β -Galactosidase (Khanna, P.L. (185) 231)

Nonspecific reaction

Serum; ELISA; hTNF- α (Abe, Y. (181) 223)

Normal pregnancy

α_2 ; Pregnancy-associated protein; Serum concentration; Rocket assay (Nakai, M. (182) 103)

Normal value

Serum amyloid A protein (SAA); Enzyme immunoassay (EIA) (Yamada, T. (179) 169)

Novel alkaline phosphatase

Gastric carcinoma (Imanishi, H. (186) 309)

Nuclear magnetic resonance

Betaine; Choline; Methyltransferase; Pediatrics (Davies, S.E.C. (178) 241)

Nucleation time

Cholesterol; Monomer activity; Bile cholesterol gallstone (Chijiwa, K. (178) 181)

O

Octadeca-9,11-dienoic acid

Cervix; Cancer; Diene conjugation (Parham, D.M. (182) 289)

Free radical; Cervical intra-epithelial neoplasia (Fairbank, J. (186) 53)

Oil

Psoriasis; Fatty acid; Malondialdehyde; Glutathione-peroxidase; Bleeding; Membrane; Erythrocyte; Platelet (Corrocher, R. (179) 121)

Oligosaccharide

GM1 gangliosidosis; β -Galactosidase; Subtype (Takahashi, Y. (179) 153)

Oncogene

Transformation; Inositolphospholipid (Takenawa, T. (185) 307)

One-step sandwich enzyme immunoassay

Microalbuminuria; Monoclonal antibody; Diabetes mellitus (Niwa, T. (186) 391)

Organic acid

Oximation; Acetoacetic acid; Ketosis; Gas chromatography-mass spectrometry; Urine analysis (Mills, G.A. (184) 93)

Ornithine carbamoyltransferase

Hyperammonemia; K_m variant (Rabier, D. (186) 25)

Ornithine transcarbamylase

DNA diagnosis (Matsuda, I. (185) 283)

Ossification (rat)

Alkaline phosphatase; Fibroblast; Gastric carcinogenesis (Hirota, N. (186) 301)

Osteoarthritis

Collagenase; Direct extraction; Cartilage (Blanchaert, A. (185) 73)

Osteocalcin

Alkaline phosphatase; Tc-99 MDP; Age; Bone (Worsfold, M. (178) 225)

Carboxyglutamic acid; GLA; Bone resorption; HPLC (Fournier, B. (182) 173)

Ouahain

Erythrocyte; Furosemide; Plasma sodium transport (Tepper, T. (179) 133)

Ovarian serous cystadenocarcinoma

Placental alkaline phosphatase (PLAP); CA54/61; CA125; Ovarian tumor; Dysgerminoma (Nozawa, S. (186) 275)

Ovarian tumor

Placental alkaline phosphatase (PLAP); CA54/61; CA125; Ovarian serous cystadenocarcinoma; Dysgerminoma (Nozawa, S. (186) 275)

Placental-like alkaline phosphatase; Monoclonal antibody; Human ovary; Ascites; Gynecological cancer (Koyama, I. (186) 295)

Oxalate

Oxalogenesis; Bioluminescence; Ascorbate (Parkinson, I.S. (179) 97)

Calcium; Inhibitor; Glycosaminoglycan; Pentosan polysulphate (Fellström, B. (180) 213)

Ascorbic acid; Capillary fragility; Cholesterol; Hemodialysis; Peritoneal dialysis, continuous ambulatory (Tomson, C.R.V. (180) 255)

Phosphate; Sulphate; Ion chromatography (Politi, L. (184) 155)

Amniotic fluid; Ion-chromatography; Hyperoxaluria (Wandzilak, T.R. (185) 131)

Oxalate oxidase

Plasma oxalate; Chronic renal failure; Vitamin C; Ascorbate oxidase (Rolton, H.A. (182) 247)

Oxalogenesis

Oxalate; Bioluminescence; Ascorbate (Parkinson, I.S. (179) 97)

Oximation

Acetoacetic acid; Ketosis; Organic acid; Gas chromatography-mass spectrometry; Urine analysis (Mills, G.A. (184) 93)

Oxypurinol

Pyrazinamide; 5-Hydroxypyrazinamide; Allopurinol; Xanthine oxidase; Xanthinuria (Yamamoto, T. (180) 169)

P

P-amylose immunoassay

Acute pancreatitis; Method comparison; Diagnostic characteristic (Sacchetti, L. (183) 95)

Pancreas

α -Amylase; Isoenzyme; Monoclonal antibody; Synergistic inhibition (Rauscher, E. (183) 41)

Pancreatic

α -Amylase; Acarbose; Affinity chromatography; Synthesis; Pancreatitis (Ogden, J.M. (180) 129)

Pancreatic pseudocyst

Pancreatitis; Amylase; Lipase; Amylase isoenzyme; Macroamylase; Diagnostic criteria (Lott, J.A. (183) 33)

Pancreatitis

α -Amylase; Acarbose; Affinity chromatography; Synthesis; Pancreatic (Ogden, J.M. (180) 129)

Amylase; Lipase; Amylase isoenzyme; Macroamylase; Diagnostic criteria; Pancreatic pseudocyst (Lott, J.A. (183) 33)

Phospholipase A; Inflammation; Septicemia; Myocardial infarction; Cancer (Hoffmann, G.E. (183) 59)

Trypsin; Trypsinogen; Protease inhibitor; Uremia; Immunoassay (Kimland, M. (184) 31)

Parathyroid hormone

Immunoassay; Chemiluminescence; Primary hyperparathyroidism (St. John, A. (178) 215)

Particle, paramagnetic

Urinary albumin; Chemiluminescence; Acridinium ester; Immunoassay (Horton, J.K. (186) 45)

Pathogenesis

Molecular mechanisms; Bacterial protease; Vascular permeability; Immunoglobulin degradation; Cytotoxicity; Secondary infection (Maeda, H. (185) 355)

PCR method

Polymorphism; Transthyretin; Prealbumin; DNA diagnosis (Sakaki, Y. (185) 289)

Pediatric chemistry

Serum copper; Highly sensitive reagent; Colorimetry (Makino, T. (185) 7)

Pediatrics

Betaine; Nuclear magnetic resonance; Choline; Methyltransferase (Davies, S.E.C. (178) 241)

Penicillamine

α -1-Antitrypsin; Isoelectric focusing; Sulphydryl group (Whitehouse, D.B. (179) 109)

Penicillinase

FSH; LH; ELISA; Urinary gonadotropins (Desai, M. (184) 315)

Pentosan polysulphate

Calcium; Oxalate; Inhibitor; Glycosaminoglycan (Fellström, B. (180) 213)

Percentile estimate

Secretin pancreozymin test; Multivariate analysis; Receiver-operator curve; Predictive value (Hunt, L.P. (186) 91)

Peripheral vascular disease

High density lipoprotein; Cholesteryl ester transfer; Atherosclerosis; Cholesterol; Triglyceride (Rühling, K. (184) 289)

Peritoneal dialysis, continuous ambulatory

Ascorbic acid; Capillary fragility; Cholesterol; Hemodialysis; Oxalate (Tomson, C.R.V. (180) 255)

Peritoneal fluid

Alkaline phosphatase; Endometriosis (Kang, J.O. (186) 285)

Peroxidase

Enzyme immunoassay; Enzyme-labelling; β -D-Galactosidase; Antigen; Antibody (Ishikawa, E. (185) 223)

PGE₂

Interleukin-1; Anti-inflammatory; Fibroblasts; Assay automation (Maloff, B.L. (180) 73)

Phaeochromocytoma

Neuropeptide Y (NPY); Radioimmunoassay; Chronic renal failure; Uremia (Stridsberg, M. (185) 61)

Phagocytic cells

Adenine incorporation rate; Mononuclear cells; Glucose tolerance; Insulin-dependent diabetes; Risk persons (Schlifer, J.H. (183) 333)

Pharmacokinetics

Butyrate; Experimental animal; Man (Daniel, P. (181) 255)

Phenylacetylglutamine

Uremic sera; Middle molecule; High-performance liquid chromatography; Sodium dodecyl sulfate-polyacrylamide gel electrophoresis; Hippuric acid (Kaplan, B. (185) 119)

Phloretin

Ageing; Amiloride; Erythrocyte; Sodium transport (Carr, S. (178) 51)

Phosphate

Oxalate; Sulphate; Ion chromatography (Politi, L. (184) 155)

Phosphatidylglycerol

Pulmonary alveolar proteinosis; Bronchoalveolar lavage fluid; Pulmonary surfactant; Phosphatidylinositol (Honda, Y. (181) 11)

Phosphatidylinositol

Pulmonary alveolar proteinosis; Bronchoalveolar lavage fluid; Pulmonary surfactant; Phosphatidylglycerol (Honda, Y. (181) 11)

Phospholipase; Alkaline phosphatase (Hamilton, B.A. (186) 249)

Phosphatidylinositol cycle

Red cell; Hemolytic anemia; Sick cell disease; Myeloproliferative syndrome; Phosphatidylinositol kinase (Boivin, P. (182) 165)

Phosphatidylinositol kinase

Red cell; Hemolytic anemia; Sick cell disease; Myeloproliferative syndrome; Phosphatidylinositol cycle (Boivin, P. (182) 165)

Phosphatidylinositol phospholipase C

Alkaline phosphatase; Sodium dodecyl sulfate; Tetramer (Hawrylak, K. (186) 197)

Phosphoinositide

Cystic fibrosis; Erythrocyte; Phospholipase C (Doughney, C. (181) 55)

Phospholipase

Phosphatidylinositol; Alkaline phosphatase (Hamilton, B.A. (186) 249)

Phospholipase A

Pancreatitis; Inflammation; Septicemia; Myocardial infarction; Cancer (Hoffmann, G.E. (183) 59)

Phospholipase C

Cystic fibrosis; Erythrocyte; Phosphoinositide (Doughney, C. (181) 55)

Phospholipid

Amniotic fluid; Cold acetone precipitation; Surfactant (Budria, R.J. (180) 141)

Phospholipids storage

Lysosome; Catabolism (Bargal, R. (181) 167)

Photon counting

Bioluminescent assay; Adenosine deaminase activity; Bacterial luciferase; Immobilized enzyme; Continuous-flow system (Oda, K. (185) 17)

Photosensitizer

Porphyrin; Light; Hydrogen peroxide; Singlet oxygen (Menon, I.A. (186) 375)

Physiological salt solutions

Carbon dioxide tension; Bicarbonate (Abrahamson, J. (185) 1)

PI-anchor

Alkaline phosphatase; Electrophoresis; Lectin affinity; Monoclonal antibody; Neuraminidase treatment (Miura, M. (180) 177)

Pituitary

Gonadotrophin; Blood analysis; Immunoassay; Quality control; Monoclonal antibody; Test interference (Seth, J. (186) 67)

Placenta

Amniotic fluid; Angiotensinogen; Decidua; Renin substrate (Metsärinne, K. (180) 221)

Metabolism; Androstenedione; Aromatization; Hypertension; Radiometric analysis (Hühnel, M.E. (181) 103)

Placental

Liver/bone/kidney; Intestinal; Placental-like; Polymorphism; DNA; Malignancy (Harris, H. (186) 133)

Placental alkaline phosphatase (PLAP)

CA54/61; CA125; Ovarian tumor; Ovarian serous cystadenocarcinoma; Dysgerminoma (Nozawa, S. (186) 275)

Placental-like

Liver/bone/kidney; Placental; Intestinal; Polymorphism; DNA; Malignancy (Harris, H. (186) 133)

Placental-like alkaline phosphatase

Heterogeneity; Seminoma; Hydrophobicity; Glycosylation; Charge (Koshida, K. (186) 255)

Monoclonal antibody; Human ovary; Ascites; Ovarian tumor; Gynecological cancer (Koyama, I. (186) 295)

Placental-like AP

Alkaline phosphatase (AP); Sugar moiety; Metastatic potential; L-Leucine inhibition (Human term placenta and the lung with cancerous pleuritis) (Komoda, T. (186) 203)

Placental protein 14

Endometrial protein; Immunofluorometric assay; Follicular fluid (Riittinen, L. (183) 115)

Amniotic fluid; Endometrial protein; Protein purification; Amino acid sequence; Progestagen-dependent endometrial protein (Riittinen, L. (184) 19)

Plant lignan

Urine; Human; Metabolism; Gas chromatography-Mass spectrometry (Bannwart, C. (180) 293)

Plant sterol

Squalene; Lathosterol; Desmosterol; Campesterol; Sitosterol (Gylling, H. (178) 41)

Plasma

Fibronectin; Breast cancer; Laser nephelometry (Ruelland, A. (178) 283)

Quantitation; Gas chromatography; Mass spectrometry; Vitamin D₂ metabolites (Coldwell, R.D. (180) 157)

Cystic fibrosis protein; Lactoferrin; Serum; Granulocyte (Barthe, C. (181) 183)

Propionate; Stable isotope; Bromophenacyl bromide (Walter, J.H. (182) 141)

Free fatty acids; Gas-liquid chromatography; Lipid extraction; Thin layer chromatography (Tichelaar, H.Y. (183) 207)

3-Methoxy-4-hydroxyphenylglycol; MHPG; Gas chromatography (Piletz, J.E. (185) 165)

Plasma dexamethasone

Dexamethasone suppression test; Depressive disorder (Lejeune-Lenain, C. (179) 13)

Plasma DOPA

3,4-Dihydroxyphenylalanine; Cerebrospinal fluid DOPA; 3-O-Methyldopa; HPLC-ECO (Boomsma, F. (178) 59)

Plasma lipoprotein

Erythrocyte; Cholesterol; Sickle cell anemia (Ngogang, J. (179) 295)

Infantile visceral Leishmaniasis; Apolipoprotein A-I; Apolipoprotein A-II; Apolipoprotein B; Gel permeation chromatography; Two-dimensional immunoelectrophoresis (Bekaert, E.D. (184) 181)

Plasma oxalate

Oxalate oxidase; Chronic renal failure; Vitamin C; Ascorbate oxidase (Rolton, H.A. (182) 247)

Plasma porphyrin

Porphyria cutanea tarda (Adjarov, D.G. (181) 143)

Plasma sodium transport

Erythrocyte; Furosemide; Ouabain (Tepper, T. (179) 133)

Plasmin

Plasminogen activators; Chromogenic method; Corneal and conjunctival diseases; Tears (Tözsér, J. (183) 323)

Plasminogen activators

Plasmin; Chromogenic method; Corneal and conjunctival diseases; Tears (Tózsér, J. (183) 323)

Platelet

Psoriasis; Oil; Fatty acid; Malondialdehyde; Glutathione-peroxidase; Bleeding; Membrane; Erythrocyte (Corrocher, R. (179) 121)

Platelet-derived growth factor

Radioimmunoassay (RIA); Monoclonal antibody (Shiraishi, T. (184) 65)

Polyacrylamide gel electrophoresis

Creatine kinase BB isoenzyme; Radioimmunoassay; Human placenta (Geng, J.-G. (181) 1)

Polyamine

Gastrointestinal tract decontamination; Urinary tract infection; Microbial polyamine synthesis (Satink, H.P.W.M. (179) 305)

Polyethylene glycol

Fibronectin; Immune complexes; Arthritis; Synovial fluid (Griffiths, A.M. (184) 133)

Polymerase chain reaction (PCR)

Biotinylated oligonucleotides; Enzymatic amplification; Allele specific oligonucleotide analysis; alpha-1-Antitrypsin (Gregersen, N. (182) 151)

Polymorphism

Transferrin; Prealbumin; PCR method; DNA diagnosis (Sakaki, Y. (185) 289)

Liver/bone/kidney; Placental; Intestinal; Placental-like; DNA; Malignancy (Harris, H. (186) 133)

Porphobilinogen deaminase

Acute intermittent porphyria; ELISA (Lannfelt, L. (183) 227)

Porphyria cutanea tarda

Plasma porphyrin (Adjarov, D.G. (181) 143)

Porphyrin

Photosensitizer; Light; Hydrogen peroxide; Singlet oxygen (Menon, I.A. (186) 375)

Prealbumin

Polymorphism; Transferrin; PCR method; DNA diagnosis (Sakaki, Y. (185) 289)

Precision

Serum lipoprotein; Assay; Variability; Storage; Accuracy (Tiedink, H.G.M. (180) 147)

Prediction

Alkaline phosphatase; Three dimensional structure; Structure refinement (Kim, E.E. (186) 175)

Predictive value

Secretin pancreozymin test; Percentile estimate; Multivariate analysis; Receiver-operator curve (Hunt, L.P. (186) 91)

Pregnancy

β -D-N-Acetylglucosaminidase isozyme; Automated procedure; Human plasma (Goi, G. (179) 327)

Serum human chorionic gonadotrophin levels (Ooi, D.S. (181) 281)

Cholestasis; Liver cirrhosis; Enzyme immunoassay; β -Hexosaminidase; Isoenzyme; Monoclonal antibodies; Serum (Isaksson, A. (183) 155)

SADA; Sex; Age; Intraindividual variation (Åvall-Lundqvist, E. (185) 35)

 α_2 Pregnancy-associated protein

Normal pregnancy; Serum concentration; Rocket assay (Nakai, M. (182) 103)

Premature baby

2,3-Butanediol; Acetoin; Capillary gas chromatography; Mass spectrometry; Gut bacteria (Mills, G.A. (179) 51)

Prenatal diagnosis

HPLC; 35 S-Cystine; Cystinosis (Hall, N.A. (184) 1)

Pretreatment with Oradexone and Ambroxol

Red blood cell; Antioxidant enzyme; Lipid peroxidation comparison (Novák, Z. (182) 241)

Primary biliary cirrhosis

Antimitochondrial antibodies; Radioimmunoassay; Enzyme immunoassay (Plebani, M. (181) 201)

Primary hyperparathyroidism

Parathyroid hormone; Immunoassay; Chemiluminescence (St. John, A. (178) 215)

Processing

Deoxynojirimycin; Diabetes; alpha-Glucosidase; Glycogenesis; Lysosome (Wisselaar, H.A. (182) 41)

Procollagen

Selenium; Liver; Cirrhosis; Fibrosis; Fibronectin (Casaril, M. (182) 221)

Procollagen III peptide

Fibronectin; Liver fibrosis; Alcohol liver disease (Gabrielli, G.B. (179) 315)

Progesterone-dependent endometrial protein

Placental protein 14; Amniotic fluid; Endometrial protein; Protein purification; Amino acid sequence (Riittinen, L. (184) 19)

Progesterone receptor

Breast cancer; Proto-oncogenes; *int-2*; *c-erbB-2*; *c-myc*; Lymph node; Estrogen receptor (Machotka, S.V. (184) 207)

Prolidase deficiency

Leukocytes prolidase (Kodama, H. (180) 65)

Propionate

Stable isotope; Bromophenacyl bromide; Plasma (Walter, J.H. (182) 141)

Prostaglandin E₂

Second antibody solid-phase enzyme immunoassay; Human gastric juice (Orsini, B. (178) 305)

Prostatic carcinoma

Glutathione peroxidase; Glutathione transferase; Glutathione-related enzyme activity (Aceto, A. (183) 83)

Protease inhibitor

Trypsin; Trypsinogen; Pancreatitis; Uremia; Immunoassay (Kimland, M. (184) 31)

Protein C

Protein S; Free protein S; C4b-binding protein; Acquired protein S deficiency (Takahashi, H. (182) 195)

Homogeneous EIA (H-EIA); Horseradish peroxidase (HRP) (Suzuki, K. (184) 227)

Protein kinase C

Sphingosine; Lysosphingolipid (Hannun, Y.A. (185) 331)

Protein purification

Placental protein 14; Amniotic fluid; Endometrial protein; Amino acid sequence; Progesterone-dependent endometrial protein (Riittinen, L. (184) 19)

Protein S

Free protein S; C4b-binding protein; Protein C; Acquired protein S deficiency (Takahashi, H. (182) 195)

ELISA; C4b-BP-protein S complexes; Free protein S; Protein S deficiency; Thrombosis (Deutz-Terlouw, P.P. (186) 321)

Protein S deficiency

Protein S; ELISA; C4b-BP-protein S complexes; Free protein S; Thrombosis (Deutz-Terlouw, P.P. (186) 321)

Proteinuria

Albuminuria; Immunoassay; Diabetic nephropathy (Neuman, R.G. (179) 229)

Sickle cell disease; Renal disease; Electrophoresis (Lonsdorfer, A. (181) 239)

Proto-oncogenes

Breast cancer; *int-2*; *c-erbB-2*; *c-myc*; Lymph node; Estrogen receptor; Progesterone receptor (Machotka, S.V. (184) 207)

Protoporphyrin IX

Zinc protoporphyrin; Lead poisoning; Iron deficiency (Orfanos, A.P. (181) 213)

Pseudouridine

Modified nucleoside; Hepatocellular carcinoma; Tumor marker (Amuro, Y. (178) 151)

Modified nucleoside; Anti-pseudouridine monoclonal antibody; Inhibition ELISA; Urine, from cancer patients (Itoh, K. (181) 305)

Psoriasis

Oil; Fatty acid; Malondialdehyde; Glutathione-peroxidase; Bleeding; Membrane; Erythrocyte; Platelet (Corrocher, R. (179) 121)

Cation; Transport; Fatty acid; Lipid; Membrane; Erythrocyte (Corrocher, R. (186) 335)

Pulmonary alveolar proteinosis

Bronchoalveolar lavage fluid; Pulmonary surfactant; Phosphatidylglycerol; Phosphatidylinositol (Honda, Y. (181) 11)

Pulmonary surfactant

Pulmonary alveolar proteinosis; Bronchoalveolar lavage fluid; Phosphatidylglycerol; Phosphatidylinositol (Honda, Y. (181) 11)

Purification

Dipeptidyl aminopeptidase IV; Human kidney (Wolf, G.B. (179) 61)

Purine catabolites

Human heart; Myocardial ischemia; Xanthine oxidase; Adenosine (Smolewski, R.T. (182) 63)

Pyrazinamide

5-Hydroxypyrazinamide; Allopurinol; Oxypurinol; Xanthine oxidase; Xanthinuria (Yamamoto, T. (180) 169)

Pyridinium ion

Nicotinamide *N*-methyltransferase; Methyl conjugation; Ion-pairing; Liver enzyme (Rini, J. (186) 359)

Pyrimidine nucleoside phosphorylase

Uridine; 5'-Deoxy-5-fluorouridine; High-performance liquid chromatography (Laurense, E.J. (178) 71)

Pyrimidine 5'-nucleotidase

Pyrimidine nucleotides; Heterozygote detection; UDP-*N*-acetylhexosamines (De Korte, D. (184) 175)

Pyrimidine nucleotides

Pyrimidine 5'-nucleotidase; Heterozygote detection; UDP-*N*-acetylhexosamines (De Korte, D. (184) 175)

Q

Quality control

Gonadotrophin; Pituitary; Blood analysis; Immunoassay; Monoclonal antibody; Test interference (Seth, J. (186) 67)

Quantitation

Gas chromatography; Mass spectrometry; Vitamin D₂ metabolites; Plasma (Coldwell, R.D. (180) 157)

R

Radioenzyme assay

Drugs; Histamine (Harvima, R.J. (180) 231)

Radioimmunoassay

Urinary kallikrein; Trypsin activation; Bioassay; Essential hypertension (Maier, M. (178) 127)

Atrial natriuretic peptide; Exercise; Blood sampling condition (Tan, A.C.I.T.L. (179) 1)

Creatine kinase BB isoenzyme; Human placenta; Polyacrylamide gel electrophoresis (Geng, J.-G. (181) 1)

Primary biliary cirrhosis; Antimitochondrial antibodies; Enzyme immunoassay (Plebani, M. (181) 201)

Fibronectin; Lipoprotein; Atherosclerosis (Cseh, K. (182) 75)

Deoxyribonuclease I; Enzymatic assay; Cancer; Deoxyribonuclease I inhibitor (Miyachi, K. (184) 115)

Glutathione S-transferase; Human; Bile; Bile salts (Howie, A.F. (184) 269)

Neuropeptide Y (NPY); Chronic renal failure; Uremia; Phaeochromocytoma (Stridsberg, M. (185) 61)

Recombinant erythropoietin (Matsubara, K. (185) 177)

Alkaline phosphatase; Enzyme immunoassay; Monoclonal antibody (Hill, C.S. (186) 315)

Radioimmunoassay (RIA)

Platelet-derived growth factor; Monoclonal antibody (Shiraishi, T. (184) 65)

Radioisotopic exchange-HPLC

Acylcarnitine; Urine, human (Schmidt-Sommerfeld, E. (181) 231)

Radiometric analysis

Metabolism; Androstenedione; Placenta; Aromatization; Hypertension (Hähnel, M.E. (181) 103)

ras

G protein; Signal transduction (Yamamoto, K. (185) 345)

Rat

Gastrotoxicity; Duodenogastric reflux; Deoxycholic acid; Gastric; Stomach; Bile acid (Armstrong, D. (178) 313)

α 1-Acid glycoprotein; Inflammation; Con A affinity; Crossed affinity immunoelectrophoresis; Biantennary glycan content (Pos, O. (184) 121)

Rats

Intestine; Ischemia; Creatine kinase; Lactate dehydrogenase (Roth, M. (183) 65)

Receiver-operator curve

Secretin pancreozymin test; Percentile estimate; Multivariate analysis; Predictive value (Hunt, L.P. (186) 91)

Recombinant erythropoietin

Radioimmunoassay (Matsubara, K. (185) 177)

Red blood cell

Antioxidant enzyme; Lipid peroxidation comparison; Pretreatment with Oradexone and Ambroxol (Novák, Z. (182) 241)

Red cell

Hemolytic anemia; Sickle cell disease; Myeloproliferative syndrome; Phosphatidylinositol kinase; Phosphatidylinositol cycle (Boivin, P. (182) 165)

Reductase

Erythrocyte diaphorase; NADH₂; Ferricyanide; Cytochrome b₅; Methemoglobin (Papandreou, P. (181) 189)

Reference values

Electrolyte; Circadian variations; Seasonal variations; Aging (Touitou, Y. (180) 245)

CSF-albumin; Multiple sclerosis; Children; Meningitis (Öhman, S. (181) 265)

Amino acids; Cerebrospinal fluid; Childhood; Ion-exchange chromatography with fluorimetric detection (Gerrits, G.P. (182) 271)

Renal disease

Sickle cell disease; Proteinuria; Electrophoresis (Lonsdorfer, A. (181) 239)

Renal failure

α_1 -Acid glycoprotein; CAPD; Microheterogeneity (Fraeyman, N.H. (181) 47)

Fructosamine; Hypoalbuminemia; Bilirubin (Dominiczak, M.H. (182) 123)

Renin

Angiotensin; Bradykinin; Angiotensin I-converting enzyme (kininase II); Catecholamine (Yamamoto, T. (181) 197)

Renin substrate

Amniotic fluid; Angiotensinogen; Decidua; Placenta (Metsärinne, K. (180) 221)

Renovascular surgery

Urinary lysosomal enzyme; Brush border enzyme; NAG; AAP; GGT; β -Glucuronidase (Holmes, R.P. (186) 1)

Reproductive system

γ -Glutamyl transpeptidase; Sugar-chain heterogeneity; Serial lectin affinity chromatography; Kidney (Arai, K. (184) 75)

Retinol binding protein

α_1 -Microglobulin; β_2 -Microglobulin; Tubular protein (Donaldson, M.D.C. (179) 73)

Reverse transcriptase

Activity gel method; AIDS virus (Bertazzoni, U. (183) 101)

Reye's syndrome

Lipase; Lipoprotein lipase; Hepatic lipase; Intravascular lipolysis (Kang, E.S. (184) 107)

Rheumatic disease

Collagen (Myllylä, R. (183) 243)

Rheumatoid arthritis

Hyaluronic acid; Binding protein assay; Hyaluronic acid binding protein (Chichibu, K. (181) 317)

Serum; Haptoglobin; Glycosylation (Thompson, S. (184) 251)

Latent collagenase; Trypsin activation; Collagenase inhibitor; Synovial fluid (Tagawa, M. (186) 119)

Risk persons

Adenine incorporation rate; Mononuclear cells; Phagocytic cells; Glucose tolerance; Insulin-dependent diabetes (Schäfer, J.H. (183) 333)

Rocket assay

α_2 Pregnancy-associated protein; Normal pregnancy; Serum concentration (Nakai, M. (182) 103)

S

SADA

Sex; Age; Pregnancy; Intraindividual variation (Åvall-Lundqvist, E. (185) 35)

Saliva

Corticosteroid; Adrenal function (Bolufer, P. (183) 217)

Sandwich immunoassay

Human type IV collagen; Monoclonal antibody (Obata, K.-i. (181) 293)

Screening

Antigliadin antibodies; Coeliac disease; ELISA; IgA isotyping (Elewaut, A. (183) 285)

Seasonal variations

Electrolyte; Circadian variations; Aging; Reference values (Touitou, Y. (180) 245)

Second antibody solid-phase enzyme immunoassay

Prostaglandin E₂; Human gastric juice (Orsini, B. (178) 305)

Secondary infection

Molecular mechanisms; Pathogenesis; Bacterial protease; Vascular permeability; Immunoglobulin degradation; Cytotoxicity (Maeda, H. (185) 355)

Second derivative

Coproporphyrin; Hemoglobin; Differential spectrophotometry; Meconium aspiration (Ficheux, H. (182) 53)

Secretin pancreozymin test

Percentile estimate; Multivariate analysis; Receiver-operator curve; Predictive value (Hunt, L.P. (186) 91)

Selenium

Liver; Cirrhosis; Fibrosis; Procollagen; Fibronectin (Casaril, M. (182) 221)

Seminal fluid

Neutrophil; Natural killer cell; Acid phosphatase (Mukhopadhyay, N.K. (182) 31)

Seminoma

Neuron specific enolase; Neuroendocrine and paraneuronal cell; Neural differentiation; Tumor marker; Neuroblastoma; Small cell lung carcinoma (Kaiser, E. (183) 13)

Heterogeneity; Placental-like alkaline phosphatase; Hydrophobicity; Glycosylation; Charge (Koshida, K. (186) 255)

Septicemia

Phospholipase A; Pancreatitis; Inflammation; Myocardial infarction; Cancer (Hoffmann, G.E. (183) 59)

Sequence homology

Site-directed mutagenesis; Expression; Immunocytochemistry Immunoassay; Structure-function (Narisawa, S. (186) 189)

Serial lectin affinity chromatography

γ -Glutamyl transpeptidase; Sugar-chain heterogeneity; Reproductive system; Kidney (Arai, K. (184) 75)

Serum

Aluminium; Hair; Bone; Histomorphometry (Chappuis, P. (179) 271)

Glutamate dehydrogenase; Alcohol; Ethanol withdrawal (Weill, J. (179) 323)

Cystic fibrosis protein; Lactoferrin; Plasma; Granulocyte (Barthe, C. (181) 183)

Nonspecific reaction; ELISA; hTNF- α (Abe, Y. (181) 223)

Hydroxycholesterol; Lipid; Lipoprotein; Hypercholesterolemia; Bile acid sequestrant therapy (Van Doormaal, J.J. (181) 273)

Carnitine; Urine; Spectrophotometric assay (Schäfer, J. (182) 87)

Cholestasis; Liver cirrhosis; Enzyme immunoassay; β -Hexosaminidase; Isoenzyme; Monoclonal antibodies; Pregnancy (Isaksson, A. (183) 155)

Total lipids; Enzymatic analysis (Akins, J.R. (184) 219)

Haptoglobin; Glycosylation; Rheumatoid arthritis (Thompson, S. (184) 251)

Unbound fraction; NEFA (Lim, C.-F. (186) 31)

Serum albumin

Serum biotinidase activity; Liver disease; Hepatic function; Serum enzyme (Grier, R.E. (186) 397)

Serum amyloid A

Myocardial infarction; Acute phase response; Lipoprotein (Bausserman, L.L. (184) 297)

Serum amyloid A protein (SAA)

Enzyme immunoassay (EIA); Normal value (Yamada, T. (179) 169)

Serum biotinidase activity

Serum albumin; Liver disease; Hepatic function; Serum enzyme (Grier, R.E. (186) 397)

Serum calcium

Uremic toxins; Hippurates; Lactate dehydrogenase; Uremic neuropathy; Hoffmann reflex (Schoots, A.C. (185) 91)

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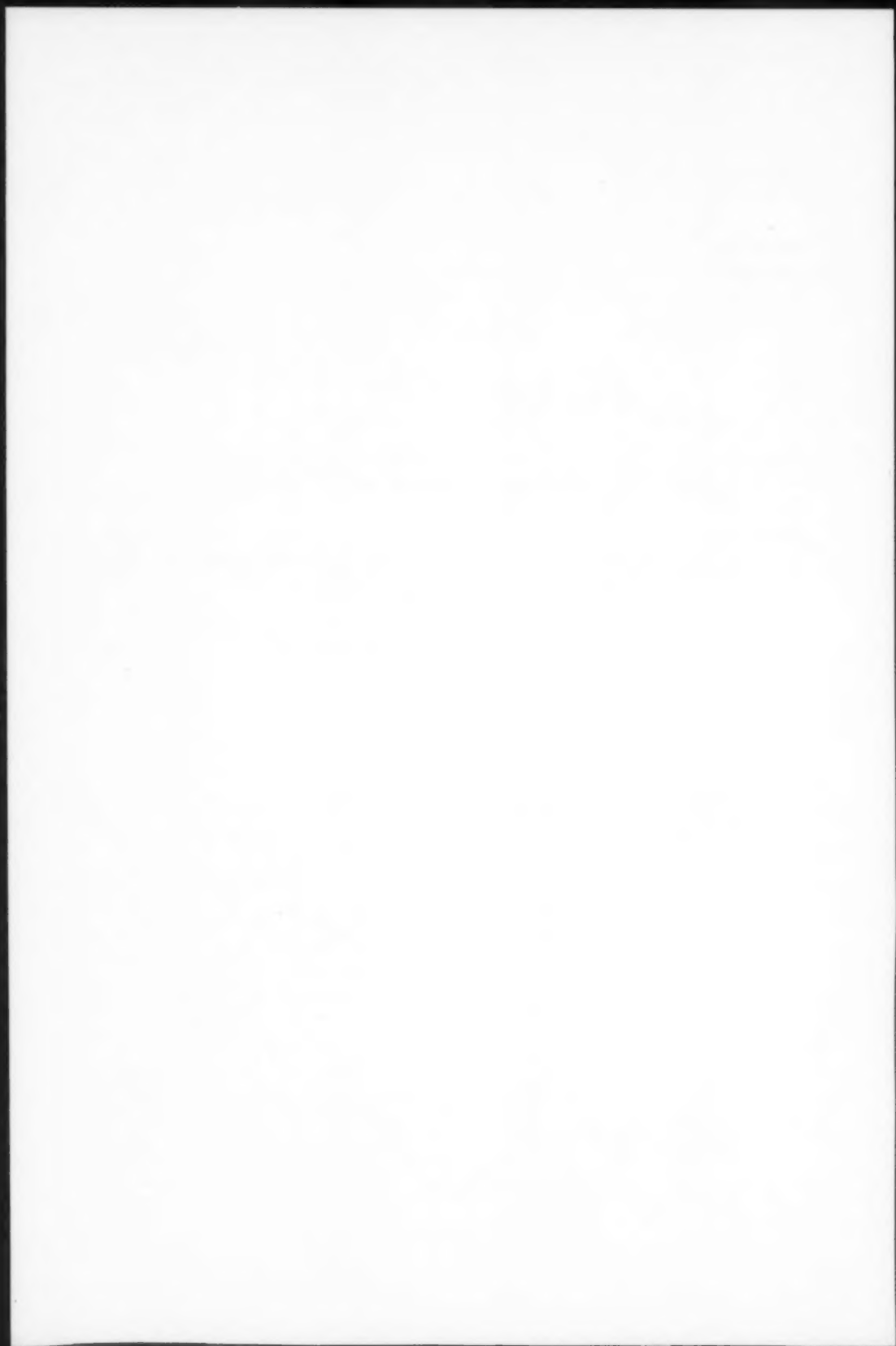
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Leukotrienes and Lipoxygenases

edited by J. ROKACH, Merck Frosst Canada Inc.,
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(Bioactive Molecules, 11)

Important advances have been made in the chemistry and biochemistry of the leukotrienes mainly as a result of the development of new biophysical and biochemical methodologies. The extraordinary effort of many scientists and the interactions of many scientific disciplines has created a vast amount of data and information and, with it, the need for a book addressing all aspects of this multidisciplinary field.

This book meets that need. It comprises six chapters which together provide a cohesive interdisciplinary coverage of the field, from the organic, analytical aspect to the biological sciences.

Among the subjects dealt with are many aspects of the leukotriene field which have not been covered in detail before, i.e. the numerous methodologies employed in the detection, localization and quantitation of lipoxygenase products; the role of leukotrienes in human disease states; leukotriene antagonists and lipoxygenase inhibitors, and potential therapeutic agents.

The book brings together a wide variety of material to give a valuable overview of this important subject. It will be useful to many scientists and will undoubtedly help stimulate future advances in the field of leukotrienes and lipoxygenases.

Contents: Chemistry of the Leukotrienes and Other Lipoxygenase Products (C.K. Lau, J. Adams, Y. Guindon, J. Rokach). Synthesis of peptide leukotrienes. Synthesis of LTB₄ and other diHETES. Synthesis of the HETES. The lipoxins: synthesis and identification of the natural products. **Biochemistry of the Lipoxygenase Pathways** (A.L. Maycock, S.-S. Pong, J.F. Evans, R.A. Miller). Leukotriene biosynthetic pathways. Enzymes. Leukotriene receptors. Lipoxygenase products of cells. **Assay Methods for Various Lipoxygenase Products** (R.N. Young, Y. Girard). Bioassay of leukotrienes. Analysis of leukotrienes by HPLC. Immunoassays of leukotrienes and related lipoxygenase products. Analysis of leukotrienes by MS. **Pharmacology and Pathophysiology of Leukotrienes** (T.R. Jones, G. Letts, C.-C. Chan, P. Davies). Leukotrienes and respiratory function. Cardiovascular actions of the leukotrienes. Pharmacology of the leukotrienes: skin, eye and gastrointestinal tract. Leukotrienes and inflammation. **Evidence for the Involvement of Leukotrienes and other Lipoxygenase Products in Disease States** (A.W. Ford-Hutchinson). Psoriasis. Other skin diseases. Inflammatory diseases. Bronchial asthma. Other allergic conditions. Shock reactions. Cardiovascular system. **Enzyme Inhibitors and Leukotriene Receptor Antagonists** (B.J. Fitzsimmons, J. Rokach). Enzyme inhibitors. Receptor antagonists. **Conclusions. Subject Index.**

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